# IBM Rational Focal Point IT portfolio management template User guide



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This edition applies to version 6.5.2 of Rational Focal Point and to all subsequent releases and modifications until otherwise indicated in new editions.

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# About this publication

#### Content

- This user guide explains how to use the IT portfolio management template to manage an IT portfolio.
- The IT portfolio management template is a pre-configured template that you can use in IBM® Rational® Focal Point.
- The examples and screen captures in this user guide demonstrate how the template can be used and are based on IT portfolio management in the financial sector, for example, a bank.

## Objectives of the user guide

After reading this user guide you should be able to understand these concepts:

- The pre-defined roles and how they collaborate in the tool
- The process for projects
- The different information types, such as risks, business needs, portfolios.

#### Objectives of using the IT portfolio management template

With the template, you can complete these tasks:

- Align your project portfolio with your strategic objectives
- Analyze and monitor project portfolio health
- Make informed decisions about your portfolio
- Analyze the value of projects by using actual data and pairwise comparisons
- Create relationships between portfolios, projects, risks, business needs etc.
- Display data in analytical views: capacity analysis, risk assessment, application gap analysis
- Create project business cases and pre-plans
- Capture and edit projects, risk, business needs etc.
- Do high-level project resource planning, scheduling and scoping
- Monitor the progress of project implementation
- Transfer a project to Collaborative Lifecycle Management (CLM) and retrieve updates
- Bulk publish business needs as work items or requirements in a Collaborative Lifecycle Management (CLM) application.
- Do application value realization

#### Intended audience

This user guide is intended for the following audiences:

- Primary audience
  - Senior executives
  - Portfolio review board
  - Portfolio managers
  - Project management office
- IT analysts
  - Secondary audience
  - Application owners
  - Project managers
  - Project sponsors
  - Finance people

## Prerequisites

To follow this user guide, you must have basic knowledge of Rational Focal Point.

# Section 1 – IT portfolio management process

This section explains the following concepts:

- The IT portfolio process in the template
- How users with different roles collaborate throughout the process

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### Section 1 – IT portfolio management process

Note: This process is implemented through the workflow engine in Rational Focal Point.

The process in the IT portfolio management template includes capturing project proposals; creating estimations and business cases; and conducting reviews, high level planning, and capacity analysis before exporting the project to CLM. The project proposal must be approved several times as it moves through the process.

All users can submit a project proposal. Later, the IT analyst can assign a submitter to be the proposal owner of the project proposal. As the proposal owner, the submitter is also responsible for creating the project business case. A project can also be added through integration with IBM® Rational® System Architect. For more information, see Section 11 – Integrating with Rational System Architect.

The IT analyst determines whether the submitted proposal is actually a project before he or she completes the initial investigation and estimations. If a proposal is not accepted as a project, it can be transformed into a business need, such as an enhancement request against an existing

application. A proposal that is not accepted can also be moved into a backlog; for example, if the proposal is really a defect in an existing application. The data in the backlog can be moved into other systems. Business needs can be included as scope items in the business case of the project.

After the IT analyst finishes the initial investigation of the proposal, which might include highlevel estimations of cost, scope, duration, and time of delivery, he or she can determine whether the proposal needs a business case. A project that is expected to have a low cost and short duration might not require a business case. Such proposals are moved directly to the prioritization phase. However, the majority of projects need business cases. For a business case, the IT analyst selects a proposal owner. The proposal owner can be the same person as the project proposal submitter. The business case might include the financial plan for the project, a risk assessment, and an initial scope definition. The scope is refined during the pre-plan phase.

The steering committee decides whether to approve project proposals that have business cases. If a proposal is approved, it moves into the list of project proposals to be prioritized. If it is not approved, it can either be rejected or be returned to the proposal owner for further elaboration on the business case. Prioritization is done on regular basis; for example, quarterly. The steering committee gathers the proposals and votes on them to understand their alignment with the strategic objectives, their value to the business, their cost, risk, and so forth. The result of the prioritization is a ranked list of projects, in which the projects that score the highest considering all criteria are those that the business will focus on. Before the highest scoring proposals are approved, the proposals are reviewed against ongoing projects to balance the portfolio.

For projects that the steering committee has voted as top priority, the project management office (PMO) creates a pre-plan, or a high-level plan. In the pre-plan, the scope is defined in detail by associating business needs with the project, creating a financial plan, and determining the resource demand and the needed resources for the project. The proposal owner can also help to create the pre-plan.

Before it approves the projects for implementation, the steering committee reviews the pre-plan. If the pre-plan is approved, the PMO exports the project from Rational Focal Point to CLM. From that point, the project implementation is monitored from Rational Focal Point. The project is measured to see if the schedule targets are met, if the business needs are implemented on time, and if the cost is within plan.

When the project is complete in CLM, it is set as delivered in Rational Focal Point.

# Section 2 – Adding and submitting project proposals

This section explains how to complete the following tasks:

- Add project proposals and link them to portfolios, applications, and strategic objectives
- Find your own draft project proposals
- Transfer the proposal from the Draft to the Proposed state

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#### Section 2 – Adding and submitting project proposals

- Giulia, business stakeholder, adds a new project proposal by clicking Add > Project Proposal.
- She enters information in the fields, which are called attributes in Rational Focal Point, and clicks **OK** to save the information.



All users can add project proposals. When you add a new project proposal, enter information in these fields:

- Title
- Description
- **Type** The type of project

• Portfolio – Which portfolio the project is related to

- Submitter By default, this is the person who is logged in, but if the submitter is someone besides the person creating the proposal, this field can be changed.
- Business Units The business units that the project affects
- Comments
- Related Applications
- Related Projects
- **Primary Strategic Objective** The strategic objective that the project is mainly aligned with
- Project Objectives
- Business Value The value the project will contribute to the business.
- **Parent Folder** The program that the project should be added to

When you save the project proposal, it is in Draft state. To display all of your draft proposals, click **Display > My Draft Project Proposals**. When the submitter is satisfied with the proposal, he or she can submit the proposal.



The transition area is at the top of the list of attributes.

If the view does not have a transition area, you cannot change the state from that view. To transfer the project into the next state, select another view that has a transition area.

## Section 3 – Assessing new proposals

This section explains how to complete these tasks:

- Accept or reject project proposals, ask for clarification, mark a proposal as duplicate, mark a proposal as business need, or move a proposal to backlog
- Assign an IT analyst to assess the project proposal
- Assess the project proposals and provide initial estimates for them



The IT analyst can complete these transitions for a project that is in the Proposed state:

- Accept The project proposal is valid and is accepted. During an investigation, the IT analyst estimates all accepted project proposals.
- Mark as business need Proposals that are identified to be business needs against existing applications become business needs. The proposals that are to become business needs are displayed on the home page of the IT analyst, in the Create Business Need window. To create a business need, open a proposal, click Add Business Need, and complete the form for the business need (the Title and Description are copied from the

proposal). After you save the business need, a link to the original proposal is created automatically.

- **Move to backlog** Proposals that are identified as something besides a project proposal or business need, such as a defect or a support case, belong in the backlog. Backlog items can be moved to other systems. IT analysts can click **Display** > **Non-Projects Backlog** to open a view in which they can manage proposals marked as backlog.
- Mark as duplicate Proposals that are identical to other projects or project proposals are marked as duplicates. When you transfer a proposal to this state, a link to the original project is created.
- **Clarify** Vague or incompletely described proposals are returned to the submitter for clarification.
- **Reject** Proposals that do not make sense to the business are rejected; for example, invalid proposals. In the Comments attribute, provide a reason for the rejection.

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	Strategic Objectives (r/-)	Q Online insurance quotes			
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read-only.	My Draft Project Proposals		Description	The project will do necessary upgrades to the fraud detection tool. We need real-time	-
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3			-	1 Investments	_
		Comments	Giulia 7/21/10 10:02 AM: We've seen how our current system has flaws that need to be corrected in order to maintain high usability and value to our business.		
				Emma 7/21/10 10:23 AM: I will take ownership of investigating this project proposal as it is within my area of expertice.	
			- Linke		44
			Related Applications	Fraud Detection Tool	
			Related Projects	Online Shopping Security	-
			E Value Stateme	ents	~
			Primary Strategic	Adapt to new technologies	
			Objective Project Objectives	Update the fraud detection system to the latest technologies available.	
			Business Value	New technologies have been developed over the years. We need to stay up to date in	
				order to prevent frauds. That will in turn save cost for us.	
			E Element Inform	1.0.2	
			Parent Folder	Projects	CA.
			Creator	Giulia	
			Created Date	7/21/10	
			Last Changed By	Emma	
			Last Changed Date	7/21/10	

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On their home pages, IT analysts can also display the project proposals that they are assigned to assess. Click **Home**, and the proposal is displayed in the My Project Proposal To Assess window.

### Section 3 – Assessing new proposals

	▲ Rational Focal Point			Workspaces   Home   Preferences   Emma   Help	Log Ou				
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project, and she	My Draft Project Proposals		Description	The project will do necessary upgrades to the fraud detection tool. We need real-time					
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proposal ourpor			Business Feasibility	0 - Excellent					
proposal owner.			Time of Project	2012 - Manageable					
			Delivery						
			Scope Ideation	<ul> <li>Real time checks - risk factors and others</li> </ul>					
				Alerts     Authentication					
				GUI updates					
				User interface improvements					
			Element Information						
		1							
7.18									
	444								

During the assessment of the project proposal, the IT analyst can update the project proposal attributes that have been populated. For example, he or she can rename the project and elaborate on the description and project objectives. In addition, the IT analyst completes the initial estimation of the project by updating the following attributes:

- Target Duration In months, how long duration the project is targeted to be
- Estimated Project Cost The cost range that the project is in
- Business Feasibility How feasible the project is from a business perspective
- Technical Feasibility How feasible the project is from a technical perspective
- **Time of Project Delivery** The year and month when the project is estimated to be delivered
- Scope Ideation The approximate scope of the project

1.9 1.

For a project in the Under investigation state, the IT analyst can do the following tasks:

• Create a business case – Project proposals that are estimated to have a high total cost or long duration must have business cases that explain the benefits and costs of the project. The steering committee reviews the business case of a project before it can approve the project for prioritization.

- **Transfer to Ready for prio** Project proposals that are estimated to have a low total cost or short duration can be transferred directly to the Ready for prio state, without having a business case. This shortcut is for projects that do not need to be further investigated before the steering committee can prioritize them.
- **Reject the proposal** If a project proposal does not have enough business value, will cost too much, or does not align with the strategy, the IT analyst can reject it.

This section explains how to complete these tasks:

- Create the business case for the project:
- Update the problem and solution
- Assess risks
- Create the financial plan for the project
- Add business needs to the project as an initial definition of the scope
- Set the target start date.

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#### Section 4 – Creating project business cases





The proposal owner creates the business case for a project proposal. The proposal owner can edit the previously entered attributes, such as Title, Description, Portfolio, Type, Primary Strategic Objective, and Project Objectives. In addition, the proposal owner defines the problem and solution, assesses risks, and defines the financial plan and high-level scope.



To add a risk, enter values for the following attributes:

- Title
- Description
- **Projects** The project the risk is related to
- Attachments Any files that are related to the risk
- Comments Additional comments about the risk, if necessary
- **Owner** The owner of the risk. The owner mitigates the risk, if needed.
- Related to Risks Any related risks, if dependencies exist
- Classification The type of risk; for example, business, technical, organizational
- **Root Cause** The cause of the risk
- Trigger What might trigger the risk
- Approach The approach to handle the risk: mitigate, watch, or accept
- **Probability** The probability score for the risk
- **Consequence** The consequence score for the risk
- Mitigation Strategy The strategy to mitigate the risk.
- **Due Date** The date by when the risk needs to be mitigated at the latest
- Fallback Plan What should be done if the mitigation strategy fails

You can also relate existing risks to the project. You can relate a risk to more than one project if needed. To relate risks to the project:

- 1. Click **Display > Project Risks**.
- 2. Find the risks to add to the project.
- 3. In the Projects attribute for each risk, create a link to the project.



The Target Start Date attribute is also set to begin the interval for the Financials attribute. The end of the interval is set to 5 years after the Target Start Date.

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Financials	Enhancement of Fraud Detection Tool > Financials > Plan - Likely								
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expenditures and benefits rows. The numbers are planned to be the likeliest numbers to get.	Net Cash Flow	13	-901,000	-1,004,000	-19,000	1,394,800	1,693,100	0	0
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The Financial attribute contains four sheets: Plan - Likely, Plan - Low, Plan – High, and Actual. The planned numbers are entered in the Likely sheet. The proposal owner then opens the graphical editor and uses the NPV graph to estimate the low and high numbers. Because the project is approved and ongoing, the Actual sheet is updated continuously by the PMO.

You can also view the financial data on a yearly basis. In the top of the sheet, click the Menu and select **Time Interval > Year**. The quarter numbers are summed for each year.



Click **Menu > Investment Analysis** to open for detailed financial analysis. In this image, the Development cost is plotted on the graph and on the **Estimates** tab. You can select both the costs and benefits from the drop-down lists. Select **Show all curves** to show all costs and benefits in the graph.

For each benefit and cost, update the Low and High estimates. You can also update the values by entering them directly in the cells on the **Estimates** tab. The graph is updated automatically. Be sure to save your changes.



Values that you entered manually are displayed in bold. Values that are estimated by the graphical editor are displayed in normal format.



Click the NPV Probability tab.

The **NPV Probability** tab displays a probability distribution of the NPV, based on the numbers of the high, low, and likely costs and benefits.

In the top image, the NPV probability distribution indicates that there is a 10% risk that the NPV will be \$2,994,220.53 or less. The probability that the NPV will be \$3,179, 253.22 or less is 90%. The mean NPV is about \$3 million.

The bottom image shows that when you move your mouse over the chart, you can see other percentages and NPV values.

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	Supplies		7	0	0	0	OK			
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He clicks Menu	🗆 Benefits	Σ	9	0	0	0	0	0	0	
> Compare	Cost Savings		10	0	0	0	5	0	0	
	Cost Avoidance		11	0	0	0	0	0	0	
For Compare	New Income		12	0	0	0	0	0	0	
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The comparison sheet shows the values from both sheets and the differences between the two for each quarter.



The data in the Financials attribute can be displayed in various graphical ways. In the Menu, select the View Chart option.



- Mean NPV The mean Net Present Value. This number represents the average value of the net present value of the project.
- IRR Internal Rate of Return, based on the financial analysis
- ROI Return of Investment, based on financial analysis
- **Payback Period** Non-discounted payback period, based on financial analysis. Payback period is the period at which the benefits equal the costs. This period is relative to the start date of the Financials attribute. The payback period indicates the number of quarters after the start date. If the payback period is 0, it corresponds to the start date; if the period is 1, it corresponds to the second period; and so on.
- **Financial Risk** The financial risk is the standard deviation of the net present value. It represents the risk in the NPV estimate. Assuming that NPV and related metrics are normally distributed, the probability that the actual value is within one standard deviation of the expected value is 68%. For example, if the product calculates an expected value of NPV = 1,000,000 with a standard deviation of 200,000, the probability that the actual NPV is between 800,000 and 1,200,000 is 68%.

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## Section 4 – Creating project business cases

	Add > Business Need		11 Portfolio Management Configuration Add On V1.1					
Victor also adds	<mark>♣,</mark>	Enter information about the new Business Needs, then click OK.						
business needs	Modules	View to add business nee Title*	Stock undates					
and links them to	Add Project Risk	Description*						
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		OK Cancel	Add Multiple Business Needs					
		Concer						

The business needs are added to the business case so that approvers can understand the scope and the cost before they make decisions. Later during the pre-plan phase, the business needs are refined and described in more detail. Note the existing business needs. Find the business needs that are suitable for your project and associate them by linking them to the project. If your project is driven against a certain application, group the business needs by application so that you can easily find the business needs.

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### Section 4 – Creating project business cases

- The business case is complete.
- Victor changes the state to Ready for approval decision.



The completed business case includes:

**11** 

- Problem and Solution
- Risk Assessment
  - Average Risk Score
  - o Risks
  - Risk Details
- Financial Information
  - o Mean NPV
  - o IRR
  - o ROI
  - o Payback Period
  - Financial Risk
  - o Financials
- Scope
  - Business Needs
  - o Total Estimated Effort
- Scheduling
  - Target Start Date

# Section 5 – Approving and prioritizing

This section explains how to do these tasks:

- Approve project proposal, whether they have business cases
- Weigh strategic objectives through pairwise comparisons
- Prioritize projects by completing pairwise comparisons
- Analyze the value of the project portfolio
- Balance the portfolio through a review of proposals and ongoing projects

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## Section 5 – Approving and prioritizing



For projects that are in the Ready for approval decision state, the steering committee can complete these tasks:

- **Refine the business case** If the steering committee is not satisfied with the information in the business case, they can ask the proposal owner to refine the business case before they make their decision.
- **Transfer to Ready for prio** If the project proposal and its business case is satisfactory, it is moved to the Ready for prio state. By moving the business case into this state, the steering committee approves the business case.

• **Reject the business case**– If the business case and other attributes indicate that the project is not ready to move forward, the steering committee can reject it.

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Section 5 – Approving and prioritizing



The strategic objectives to compare are displayed in pairs. As shown in the screen capture, you select which strategic objective has the highest importance. To save the score, click **OK**. A new pair of strategic objectives is displayed. Continue comparing until the number of Completed comparisons is equal to or higher than the Recommended number. The pairwise comparison creates a result that you can trust without having to compare all the strategic objectives.

#### How prioritization works

Rational Focal Point uses a statistical prioritization engine that improves the Analytical Hierarchy Process (AHP) by reducing the number of pairwise comparisons needed. While many criteria might be important to rank information, with Rational Focal Point, you can compare fewer criteria. The consistency checker and the input of multiple evaluators decrease subjectivity.

The Prioritize frame displays one comparison. When a comparison is completed, a new one is produced. The algorithm consists of two phases:

In the first phase, comparisons are selected so that all projects are connected. If more than one comparison connects unconnected projects, one of the comparisons is selected randomly. As a consequence, different comparisons might be displayed when the same view is compared for two criteria. For example, if a view contains ten projects, nine comparisons are needed to connect the elements. When these nine comparisons are complete, priorities can be calculated.

In the second phase, the algorithm searches for the comparison that contributes the most information. This search is completed as follows:

- Find at least two projects that are part of as few comparisons as possible.
- If only two projects are found, they are used for the comparison.
- If more than two projects are found (for example, five projects are part of two comparisons each), select the two projects with the highest priorities for the comparison.



- The strategic objective at the top is most important.
- The length of the bars represents the weight of the strategic objectives.



By specifying 100% equals 100 as the ranking scheme, the strategic objectives are weighed as follows:

- Innovation: 37
- Save Cost: 27
- Manage Change: 14
- Adapt to New Technologies: 12
- Increase Efficiency: 10

**Note**: If the strategic objectives are prioritized again, you can update the weight by saving the new ranking in the Weight attribute.


### Section 5 – Approving and prioritizing

- The steering committee compares all projects in the Ready for prio state.
- First comparison Strategic Alignment
  - > The committee compares the projects against each strategic objective
  - Andrea clicks Prioritize > Strategic Alignment Projects

<ul> <li>Value Analysis</li> <li>The committee compares projects against business value</li> <li>Anderse clicks</li> </ul>	General Information         10         175         16         17         17         17         10         12 </th
<ul> <li>The committee compares projects against business value</li> <li>And the committee compares projects against business value</li> <li>And the committee compares projects against business value</li> </ul>	Concert Information
Andreas Cliccks Prioritize > Value Analysis - Project Proposals           Prior         Prior           Proposals         Proposal	t be corrected in order to times Applications Applicati

The displayed pairs are now projects instead of strategic objectives. In the screen capture, projects are compared to determine which is most aligned with the Adapt to New Technologies strategy. The prioritization also indicates how much more one project is aligned with that strategy than another project is. To save the score of a prioritization, click **OK**. A new pair of projects is displayed. Continue until the number of Completed comparisons is equal to or higher than the Recommended number. When you have your result, change the criterion to another strategic objective and compare the projects based on that criterion. Repeat these steps for all criteria in your list.

# Section 5 – Approving and prioritizing

- Andrea clicks Visualize > Strategic Alignment Projects.
- The committee views the total strategic alignment by using a stacked bar chart

**1** 



The bar chart displays the alignment against one strategic objective at a time. To view data in a bar chart, in the toolbar, click the icon to the left of the **Stacked bar chart** icon. To toggle between strategic objectives, use the Criteria drop-down list.

### Section 5 – Approving and prioritizing

- Andrea clicks Visualize > Value Analysis Project Proposals.
- The committee views more than the strategic alignment aspect by using the stacked bar chart



In this chart, the following factors are considered apart from the alignment with the strategic objectives. Rational Focal Point retrieves these values from the project. Because they are numbers, you do not need to do pairwise comparisons for these criteria.

- Risk The Total Risk Score for the project
- **Expenses** The Estimated Project Cost for projects without business cases, or for projects with business cases, the sum of the Expenditures in the Plan Likely sheet
- Business Value The result of the prioritization against business value
- **Feasibility** The result of the score for Business Feasibility multiplied by Technical Feasibility
- Financial Benefits The sum of the planned likely benefits for projects with business cases

#### Value Analysis

Projects are divided into thirds:

- The top third has green check boxes and scored the highest against all criteria.
- The bottom third has red check boxes and scored the lowest against the criteria.
- The middle third has yellow check boxes and scored in the middle against the criteria.

# Section 5 – Approving and prioritizing

- Andrea removes the the bottom third of project proposals by clearing the red check boxes.
- Removing those projects creates these results:
  - Risk reduced to 57%
  - Expenses reduced to 39% (\$2.700k)
  - Business Value maintained at 66%
  - Feasibility maintained at 66%
  - Financial Benefits maintained at 58% (9.640k)
  - Alignment with strategic objectives maintained at 64%

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You might not want to accept the bottom third of the project proposals. You can clear and select the check boxes of projects to explore which projects to approve for implementation.

# Section 5 – Approving and prioritizing

- Before requesting preplans for top priority project proposals, Andrea and the steering committee balance the project portfolio by considering ongoing and on-hold projects.
- Andrea clicks Visualize > Review Portfolio.
- The Problem Index score indicates the projects that might have problems.



#### 

If a project has a high problem index, check its progress. If the project does not provide the value that it was supposed to, consider stopping the project and using its resources elsewhere.

The icons in front of the project name represent the state of the project:

- The +/- icon represents projects that are ready for prio
- The green flag icon represents projects that are being implemented
- The black arrow icon represents projects that are on hold



Note: If the same project is ranked again, the Priority value is overwritten.

# Section 5 – Approving and prioritizing

 Andrea and the committee open the project proposal and edit the Project State to Pre-plan project:

		a <sup>™</sup> Rational Focal Point				Workspaces   Home	Preferences   Andrea	Help   Log Out
	Select the	Visualize > Value Analysis - Project	Proposals		Enhanceme	ent of Fraud Detection Tool	🦻 🕹 🗈 🗐 🥖	nt Confi 💌
	projects to	***			🗉 General I	information		
		Add			ID	215		_
	move	Prioritize			Title	Enhancement of Fraud Detection Tool		
	forward	Visualize Value Analysis - Project Prop			Project State	🏂 Ready for prio	🗐 🌽	
	with.	Review Portfolio Risk Analysis - Portfolio A			Description	The project will do necessary upgrades to the fra detection tool. We need real-time checks of risk	aud 📃 factors.	
•	Right-click the chart.	Risk Analysis - Portfolio C Risk Analysis - Portfolio C Value Analysis - Applications Strategic Alignment - Applica Strategic Alignment - Project				also important. Support for authentication of clie be mandatory. In addition, the GUI needs a refra also need to take a look at the access rights and types.	nt data will esh and we l user	
	Click Edit	Strategic Objectives	Disk. Emoran		Туре	Y Strategic		- leiel
		Information	,rrisk /expenses	Zeta	Portfolio	🛃 Infrastructure		
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	checked			R 28 Bellona	_	Investments		-
	elements			M <sup>™</sup> ∠Diana	Comments	Giulia 2010-07-21 10:02: We've seen how our current system has flaws th	at peed to	
	Olympic Cleanse			Castor		be corrected in order to maintain high usability a to our husiness.	and value	
	Change			⊠ ‱Beta		Emma 2010-07-21 10:23:		
	the					I will take		
	project				🗉 Links			
	state.				Related Applications	Fraud Detection Tool		
	Click OK.				Related Projects	Online Shopping Security	,	
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			4]		Primary Strategic Objective	Adapt to new technologies	U.	~
			Refresh		Project Objectives	Update the fraud detection system to the latest technologies available.		~
					Add Busines	ss Need Pick Close		
	1		112					

To open a project from a chart, click the title of the project. A window opens. To edit the Project State, double-click the attribute name or click the **Edit** icon.

# Section 6 – Pre-planning projects

This section explains how to do these tasks:

- Update the planned financials for the project and compare them to the budget.
- Define the detailed scope of the project in the form of business needs.
- Define the high-level resource demand.
- Set (and update) the target dates for the project.



The proposal owner can also click **Display > Project Pre-Planning**. The PMO and the proposal owner can work together to create the pre-plan for a project.

During the pre-plan phase, you might need to update the financial plan. For the Financials attribute, note how changes to the Target Start Date might impact the intervals. The data that you enter is moved accordingly.

# Section 6 – Pre-planning projects

- The scope is defined by one or more business needs that are associated with the project.
- The business needs of the project are refined during the pre-plan phase.

▲ Rational Focal Poin	t	W	Vorkspaces   Home   Preferences   Mia   Help [Help Updater  Change Password  Remote	
Display > Business Needs			IT Portfolio Management Template -	UG 🔽
<b>*</b> -	🗉 🎟 🗭 🔆   🗉 📣   🎘 🧐 🔷   🖹   🐉 Planned	~		
Modules	1- 005:Apply component in security system	Analy company	nt in compile custom	
Add	-\$ 006:Approval Gates for Loan Origination	Apply component	in in security system	
Display	- 1 008 Authentication of client data	General Inform	nation	
Resource Allocations	010 Automatic monitoring and alerts	10	005	5
Applications(r/-)	-S. 016 Early tection of ungrades	Title	Apply component in security system	
My Business Needs	- 10 020:email notification of customer activities	Description	The developed component should be incorporated in the security system. The	
🏇 🔜 Business Needs	-% 025:Enforce authorized use of internal systems	Renefit Statement	applications that uses the security system should be updated with that new version	n.
Strategic Objectives (r/-)	- 1 050: Online Credit Card Account Access	Attachments		010
Process	- 1 053: Online employee time tracking system	Accounteries		
Portfolios(r/-)	- % 054:Online Internet Banking	Comments		8/
My Projects	- 5 056 PCI compliance	Status and Pla	anning	
Projects On Hold or Stopp	- 500 Private customer info must not be persisted in "shopping" apps	State	15 Planned	
Project Roadmap	- 1 061: Product List on Web for Product Selection	Work Item State		
Approved Projects	-\$ 063:Real-Time Checks	Priority	3	80
Projects Under Implement	- 5 064:Selection of supplemental insurances	Completeness (%)	0.%	
Wy Draft Project Proposal	- 74 066:Reorder Checks online	Responsible	8 without	
Projects(r/-)	Sequest Approver Interface     Sequest Approver Interface	Responsible	y Richard	
Project Pre-Plannkyg	- 3 069 Research support cross markets	larget Start Date	//12/10	
33 Descurse Deals	- 1 072: Self Banking Updates for Auto Deposit from Employers	Planned Start Date		U.
Resource Pools	-% 075:Stock System Financial Transfer Capability	Actual Start Date	•	
Line Cases	-% 083:Upgrade system	Target End Date	9/27/10	
Turcenter	- B 084:Verification	Planned End Date	A CONTRACT OF	R
Prioritize	- The U85:Web application security	Actual End Date		
Visualize	-\$ 093 Online calculator	Snanshot Date		
Reports	- Store State Stat			
Configure	-% 095:Model for calculation	E Effort		
Modules	-% 096:Essential information page	Estimated Effort	460 hrs	<b>I</b>
Attributes	- % 097:Application form formats	Planned Effort	0 hrs	
T Views	100 Desid surphase order	Actual Effort	0 hrs	
Notifications	- 103 Club deal	Actual vs Planned	8	
Wiew commands	-105.Fixed assets		8	
Alias	-% 106:Rent	E Links		
+l+ Workflows	- 107:Review existing infrastructure	Application	O Inventory Control	
Mambars	- 108:Suggest changes	Projects	指 Travelers Cheques	
Information	- Ta 109:Gap analysis	Related to Business	·	8/
Advanced	-5 116 Target calculator	Related from Rusines		
Auvanceu	-122:Authentication	Needs	50 ·	61
	-% 123.Encoding	Work Items		0
	- 124:General Component Base	Requirements		
	- 125.Verification	F Rick Analysis		
	V 125:Define policy	Element Infor	mation	
	<u>د</u>		( A A	
	Add Business Need Add Project Proposal Delete			
IBM.	Unsup	ported browser		Rational. softwar

The business needs are added to the project when the business case is created. During the preplan phase, the business needs are refined and further elaborated.

1. Click **Display > Business Needs**.

2. From the Filter drop-down list, select **Planned**.

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- 3. In the list of business needs, right-click and select **Group By Attribute > Link > Application**. The business needs are sorted by the application that they are related to.
- 4. Select the business need that is planned to your project and refine it. For example, you might provide more details in the description and benefit statement, set the state to Planned, select someone to be responsible for the business need, set the target start and end dates, make a more accurate estimation of the effort to implement the business need, relate the business need to applications, or analyze risks.

To create more business needs:

- 1. Click Add > Business Needs.
- 2. Complete the form. Enter a title, description, benefit statement, attachments, and comments.
- 3. Link the business needs with the project. You can also link the business need to applications, projects, and other business needs.
- 4. Save the business need.



If you use CLM for project management, you can send the business needs with the project to that tool.

The start of the interval for the Resources sheets is the target start date. The end is set to be 5 years after the target start date.

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The Resources attribute is of the type Time Grid. All Time Grid attributes can be displayed in various ways when looking at them in the attribute list. Each project can have its own display type.

Scheduling		
Duration	14 months	
Target Start Date	5/30/12	
Target Implementation Date	4/5/13	<b>I</b>
Target End Date	6/29/12	📃 🥒
Target Delivery Date	7/17/13	I /

The target start date and the target delivery date are used to calculate the Duration of the project, in months. After the project is approved for implementation, the planned and actual dates are populated as the project progresses.

- Target Start Date The date when project is targeted to start
- **Target Implementation Date** The date when the implementation of the project scope is targeted to end
- **Target End Date** The date when the tests of the implementation of the project scope is targeted to end
- **Target Delivery Date** The date when the project is targeted to be delivered. The delivery date is separate from the end date because enablement and delivery activities will likely occur after the project implementation and tests end.

# Section 7 – Approving projects for implementation

This section explains how to do these tasks:

- View the balance of projects
- Complete the capacity analysis of projects
- Understand how to use road maps
- Approve projects for implementation



Before making a decision, the steering committee does the following tasks:

- Views the balance of projects
- Completes a capacity analysis
- Studies the road map

# Section 7 – Approving projects for implementation



Before the steering committee makes a decision, they can analyze the projects that are to be approved. By selecting the Project Balance view and toggling the values for Row, Column, and Cell, the committee can display several analytical views. The screen captures show the following information:

- **Portfolio & Mean NPV** The quantity of projects that are ready for implementation approval in each portfolio, and the total mean NPV that they will provide to each portfolio
- **Primary Strategic Objective & Mean NPV** The quantity of projects that are ready for implementation approval that support a certain strategic objective, and the total mean NPV that the projects will provide to each objective
- **Type & Total Resource Cost** The quantity of projects that are ready for implementation approval of a certain type, and the total resource cost for implementing the projects for each type

# Section 7 – Approving projects for implementation

 The project balance can also be displayed in various graphs, which can be selected from the **Display Type** list.



You can, for example, display the following charts:

- Pie chart:
  - o Row-Portfolio
  - Column None
  - Cell Mean NPV
  - Display Type Chart: Pie
- Line chart:
  - o Row Business Feasibility
  - Column None
  - o Cell Number of elements
  - Display Type XY-Line
- Column chart:
  - $\circ$  Row Portfolio
  - Column None
  - Cell Mean NPV
  - Display Type Chart: Column
- Stacked column chart:
  - o Row-Portfolio

- Column Type
- Cell Mean NPV
- o Display Type Stacked Column

The steering committee can display the total demand for all projects they wish to approve.

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### Section 7 – Approving projects for implementation

Click Home

**Total Supply** contains the supply and allocations for all resource pools.

	2010	2010	2010	2010	2011	2011	2011	2011	2012	2012	2012	2012	2013	2013	2013	2013	2014	2014	2014	2014
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Developer	3,800	4,200	4,500	5,100	4,300	8,600	6,600	2,450	1,200	2,670	2,790	3,120	1,400	345	0	0	0	0	0	0
Tester	1,500	1,500	1,500	1,500	2,035	2,180	1,750	2,400	890	1,460	1,790	1,890	1,920	1,290	900	0	0	0	0	0
Project Manager	900	900	900	900	3,420	1,640	1,670	1,240	870	670	100	100	120	200	130	0	0	0	0	0
Technical Writer	650	650	700	700	2,630	610	890	1,050	470	550	100	100	180	200	200	0	0	0	0	0
Designer	1,200	1,200	1,200	1,200	2,940	2,520	2,730	1,400	1,200	570	800	1,870	600	100	30	0	0	0	0	0
upply	2010	2010	2010	2010	2011	2011	2011	2011	2012	2012	2012	2012	2013	2013	2013	2013	2014	2014	2014	2014
upply	2010	2010	2010	2010	2011	2011	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	2014	2014	2014	2014
<b>Developer</b>	2010 Q1	2010 Q2	2010 Q3	2010 Q4	2011 Q1	2011 Q2	2011 Q3	2011 Q4	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Developer	<b>2010</b> <b>Q1</b> 4,000	2010 Q2 5,000	2010 Q3 5,000	<b>2010</b> <b>Q4</b> 6,000	<b>2011</b> <b>Q1</b> 6,000	<b>2011</b> <b>Q2</b> 9,000	<b>2011</b> <b>Q3</b> 9,000	2011 Q4 5,000	2012 Q1 5,000	2012 Q2 5,000	<b>2012</b> <b>Q3</b> 5,000	<b>2012</b> <b>Q4</b> 5,000	<b>2013</b> <b>Q1</b> 4,000	<b>2013</b> <b>Q2</b> 4,000	<b>2013</b> <b>Q3</b> 4,000	<b>2013</b> <b>Q4</b> 4,000	<b>2014</b> <b>Q1</b> 5,000	<b>2014</b> <b>Q2</b> 5,500	<b>2014</b> <b>Q3</b> 5,500 2,400	<b>2014</b> <b>Q4</b> 6,000
Developer Tester Project Manager	2010 Q1 4,000 1,500 1,000	2010 Q2 5,000 2,000 1,000	2010 Q3 5,000 2,000 2,000	2010 Q4 6,000 2,000 3,500	<b>2011</b> 6,000 2,500 3,000	<b>2011</b> 9,000 2,500 2,000	<b>2011</b> <b>Q3</b> 9,000 2,000 2,000	<b>2011</b> <b>Q4</b> 5,000 2,500 2,000	<b>2012</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	<b>2012</b> <b>2</b> ,000 <b>2</b> ,000 <b>1</b> ,500	2012 Q3 5,000 2,000 1,500	<b>2012</b> <b>Q4</b> 5,000 2,500 1,000	<b>2013</b> <b>Q1</b> 4,000 2,500 1,000	2013 Q2 4,000 2,000 1,000	2013 Q3 4,000 2,200 1,000	2013 Q4 4,000 2,200 1,000	2014 Q1 5,000 2,200 1,000	2014 Q2 5,500 2,400 1,000	<b>2014</b> <b>Q3</b> 5,500 2,400 1,000	<b>2014</b> <b>Q4</b> 6,000 2,400 1,200
Developer Tester Project Manager Technical Writer	2010 Q1 4,000 1,500 1,000 650	2010 Q2 5,000 2,000 1,000 650	2010 Q3 5,000 2,000 2,000 700	2010 Q4 6,000 2,000 3,500 750	2011 6,000 2,500 3,000	2011 9,000 2,500 2,000 1,200	2011 Q3 9,000 2,000 2,000 1,200	2011 Q4 5,000 2,500 2,000 1,200	2012 Q1 5,000 2,000 1,500 1,200	2012 2,000 2,000 1,500 1,000	2012 Q3 5,000 2,000 1,500 1,000	2012 Q4 5,000 2,500 1,000	2013 Q1 4,000 2,500 1,000	2013 Q2 4,000 2,000 1,000	2013 Q3 4,000 2,200 1,000	2013 Q4 4,000 2,200 1,000	2014 01 5,000 2,200 1,000	2014 Q2 5,500 2,400 1,000 1,500	2014 Q3 5,500 2,400 1,000 1,500	2014 Q4 6,000 2,400 1,200 1,500

Compare the total supply for all resources pools with the total allocations for all projects, both existing and pipeline projects, to ensure that the supply covers the allocations.

### Section 7 – Approving projects for implementation

- Click Home
  - Total Demand Pipeline Projects contains the demand and allocations for all projects in the pipeline.
  - Total Demand Existing Projects contains the demand and allocations for all ongoing and delivered projects.

											Alloci	ited H	201 Q1	1	2011 Q2	20 Q3	11	2011 Q4	201 Q1	2 20 Q	)12 2	2012 Q3	201 Q4	12 2	013 )1	2013 Q2	3 2 Q	013	2013 Q4	20 Q1	14	2014 Q2	201 Q3	4 2	014	
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											Proje Mana	ect ger	2,86	50	1,080	1,0	000	1,240	870	67	0	100	100	1	20	200	1	30	0	0		0	0	0		
											Tech Write	nical r	2,34	10	300	56	0	1,050	470	55	0	100	100	t	80	200	2	00	0	0		0	0	0		
											Desi	ner	2,00	00	1,500	1,5	500	1,400	1,20	0 57	0	800	1,8	70 6	00	100	3	0	0	0		0	0	0		
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											4		Q1 Q	2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	ą
Total	Dema	and Ex	cisting	j Proj	ects						Deve	loper	0 0		0	0	4,100	9,40	0 9,27	6,850	3,650	8,000	4,500	3,640	3,900	1,200	0	0	0	0	0	0	0	0	0	0
llocated I	tesou	rces ()	Aggre	gated	sheet	)					Test	er	0 0		0	0	13,80	0 4,50	0 2,10	3,300	2,400	2,800	3,000	3,600	2,700	2,700	1,200	0	0	0	0	0	0	0	0	C
				20	10 Q1		201	0 Q2		2010 Q3	Proje	ct	0 0		0	0	6,800	1,20	0 1,50	1,500	1,050	1,500	150	160	180	200	140	0	0	0	0	0	0	0	0	C
Developer				3,8	00		4,20	0		4,500	Mana	ger			0	•	4 4 9 9	600	2.40	2 0 40	000	1.050	100	100	100	220	240	0	•	•	•	0	0		•	ł,
Tester				1,5	00		1,50	0		1,500	Write	ricăl	0 0		U	0	4,100	000	2,40	2,040	900	1,050	100	100	190	220	240	0	0	U	U	0	U	U	U	ľ
Project Ma	nager			900	)		900			900	Desi	gner	0 0		0	0	2,170	1,94	0 3,00	2,310	1,800	1,800	1,980	1,800	2,000	810	120	60	0	0	0	0	0	0	0	0
Technical V	Vriter			650	1		650			700	-																									
Designer				1,2	00		1,20	0		1,200																										_
emand	2010	2010	201	0 201	0 2011	2011	201	1 2011	2017	2012 2	012 20:	2 20	13 201	3 20	013 20	13 20	014 20	014 2	014 2	014 20	15 20	015 20	15 20	15												
Developer	4 220	4 700	Q3	0 5 40	0 2 240	2 1 20	2.45	0.0	0	Q 2 Q	3 Q4	QI	QZ	Qu	5 Q4	Q.	1 Q.	2 0	3 Q	+ 0	Q	z Q.	0													
Tester	1 700	1.650	1.65	0 1 70	0 800	950	970	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0													
Project	1,000	1,000	1,00	0 1,00	0 560	560	670	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0													
Technical Writer	650	650	700	700	290	310	330	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0													
Designer	1,300	1,200	1,20	0 1,20	0 940	1,020	1,23	0 0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0													
				_																																

- Total Demand Pipeline Projects show the details of the total demand and how much has been allocated for all projects in state Pre-plan or Ready for implementation approval.
- Total Demand Existing Projects show the details of the total demand and how much has been allocated for all projects in state Approved for implementation or Delivered.

### Section 7 – Approving projects for implementation

- Click Display > Project Roadmap.
- The project road map shows the projects over time.
- The target dates define the length and sections of the bars.
- The histogram shows the demand over time, per resource profile.
- The red threshold line shows the total supply over time.



The project road map contains both the delivered and ongoing projects as well as the projects to be approved for implementation. To display only ongoing projects or only projects to be approved, use the filters.

The Gantt chart has four areas:

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- **The Gantt area** Displays the elements in the view, the date attributes, and the relationships between elements. In the screen capture, this area shows the projects to be approved for implementation.
- The Stacked value area— Beneath the Gantt area, the Stacked value area displays the sum of values over time in a histogram as well as a red threshold line. For example, it can display the sum of development cost and production cost for all projects displayed in the Gantt area. In the screen capture, the histogram shows the total demand, each colour representing a resource profile. The red threshold line shows the total supply of resources. To change what the histogram displays, change to another value in the Values section of the Selections area.
- **The Time line area** Shows the position of the elements over time. This area is at the top of the chart.
- The Settings area— Contains three tabs, Main that shows the dates and links that you can display in the Gantt area, Histogram that shows the attributes that you can

display in the histogram, and **Graphics** for the graphic settings available. This area is on the right of the chart.

In the example in the screen capture, the total demand is higher than the capacity where the stacked demand crosses the red threshold line. You can change the road map to align the demand with the supply. To change the project road map:

- 1. In the Main tab, click the Edit Dates button.
- 2. Drag the project bars backward or forward, depending on the change you want to make.
- 3. Click **Save** to update the dates of the projects. The demanded resources will move in time accordingly.

By using this method, you can create the best scenario for starting and ending the projects to approve for implementation, given the resources that already has been or is being used by the already delivered and ongoing projects. The histogram updates automatically when you change the dates. When you save the new road map, the project target dates are updated.

To display the histogram as in the screen capture:

- 1. Adjust the relative size between the chart and the histogram by dragging the bar between the chart area and the stacked value area.
- 2. In the Histogram tab, click Settings.
- 3. In the Value Type list, select Time Grids.
- 4. Expand **Resources**. Clear all check boxes in the **Approved Allocations** column, and select all check boxes in the **Demand** column, that is Developer, Tester, Project Manager, Technical Writer, and Designer.
- 5. For the **Threshold Settings**, specify these settings:
  - View: Select Threshold Values Gantt
  - Attribute: Select Resources
  - Time Grid Sheet: Select Supply
  - Time Grid Row: Select Total
- 6. Click OK.
- 7. In the Histogram tab, select the check box Show Threshold.

A threshold line for the total supply resources is displayed with a histogram of the total demand resources. The threshold line indicates whether the projects must be rescheduled because of the availability of resources.

# Section 7 – Approving projects for implementation

- After the committee views the project balance, completes the capacity analysis, and studies the road map, it selects which projects to approve for implementation.
- Click Display > Projects to Approve for Implementation.

		Workspaces   Home   Preferences   Andrea   Help   Log O
Display > Projects to Approve for 1	Implementation	IT Portfolio Management Template
%∦•	🖬 🖩 🗶 🔆 I 🖬 🖉 🤤	
Add Display ↑ Allocated Resources ↑ Applications ■ My Business Neds ↑ Business Units ♥ Process ● Project Social ● My Projects ● My Drojects ● My Drojects ● My Drojects Business Construction ● Project Business Construction ● Project Business ● Stopped Projects ↓ Resource Pools ↓ Reso	Projects (37)     Program 2     Program 2     Program 3     A Conference Room Planner     A Identify Protection 3     A Inventory Control Upgrade     B Enhancement of Fraud Detection 1	Approve for implementation         Current State       Transition End State



# Section 8 – Allocate resources

This section explains how to do these tasks:

- Allocate resources to an approved project.
- Approve allocated resources



The PMO displays the demand for a project that has been approved for pre-planning.

# Section 8 – Allocate resources

allocation:	Add > Resource Allocation		IT PC	rtfolio Management Template
Click Add > Resource Allocation. 1. Select the project to allocate to. 2. Select the resource pool allocate the resources from. 3. Select an approver. Click OK.	Add Resource Allocation Business Need Project Proposal Add Resource Pool Application Risk Portfolio Risk Project Risk Display Prioritize Visualize Information	Enter information a Add view used to allocate General Information Title Description	bout the new Allocation, then click OK.         a resources from the resource pool to the projects         (Default value is an expression)         (Provide the project)         (Provide the project)         Allocation from the New York lab to the Detection Tool project.         (Y Enhancement of Fraud Detection Tool Project)         (Provide the Provide the Providet	Enhancement of Fraud
Repeat steps 1-2 for each resource pool you want to allocate from.				

The approver is selected from the PMO, and is usually a person with a resource manager role. In this example, Richard is the approver because he is the resource manager for the New York lab.

# Section 8 – Allocate resources

	Eric clicks	▲ Aational Focal Point			Workspaces   Home   Preferences   I	Eric   Help   Log O
	Diaplay	Display > Resource Allocations			IT Portfolio Management Template	ŀ
	Display >	<b>%</b> -	🗄 🖩 🗷 🔆 l 🖿 📣 l 🛸 🗞	♦ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Resource	Add	- Allocations(1/15)	New York Lab - E	Inhancement of Fraud Detection Tool	SANE/
		Display	New York Lab - Alpha	General Inform	nation	
	Allocations.		- State - Beta	ID	021	
		My Business Needs	New York Lab - Beta	Title	New York Lab - Enhancement of Fraud Detection Tool	1
		🐎 🔜 Business Needs	Tiger Team - Epsilon	Description	Allocation from the New York lab to the Enhancement of Fraud Detection Tool project.	
		Strategic Objectives (r/-)	New York Lab - Epsilon	Project	Y Enhancement of Fraud Detection Tool	
	He selects the	Portfolios(r/-)	London Lab - Sandra's Test (IT an	Portfolio	A Infrastructure	
	alle sation ha	My Projects	- 💰 London Lab - Beta	Resource Pool	출출New York Lab	🗏 🥒
	allocation ne	Projects On Hold or Stopped	Tiger Team - Beta	Approver	§ Richard	Ø
	araatad	Approved Projects	- 💰 Tiger Team - Online Shopping Sec	State	Pending	
•	For the Allocated Resources attribute, he clicks To Time Grid editor.	Projects Under Implementati My Orth Project Proposals Projects(/-) Project Prove Promong Rescurce Profile Rates Information	Lion Team - Online Shopping Sec.	Allocated Resources	-Allocated Resources : Total	
			<		To Time Grid editor	



The PMO opens the Approved Allocations attribute to enter the allocations for the project.

### Section 8 – Allocate resources

- Eric pastes the cells into the Allocated Resources sheet.
  - If the allocation is the same as the demand, saves and closes the sheet.
  - If the allocation is different than the demand, he makes updates and then saves and closes the sheet.

			A	jan 11	В	feb 11	С	mar 11	D	apr 11	E	maj 11	F	jun
🗉 Total	Σ	1	0		0		0		0		0		0	
Developer		2		0										
Tester		3	-	Copy										
Project Manager		4		Clear all	celle									
Technical Writer		5	-	Cical all	Cella									
Designer		6		Select ro	w									
				Select al	I									
				Expand a	all									
				Collapse	all									
				Normal e	ditin	0								
				Edit row	in all	sheets		1						

isplay > Resource Allocations		IT Por	folio Ma	nager	ment Temp	late						
<b>%</b>	<u>६</u> ■ ⊠ ⊹   ⊾ &   ≋ 9											Last saved
Add	New York Lab - Alpha	Con poiro inpor 40.0					Men					2001 007001
A Resource Allocations	🔶 London Lab - Alpha	New York Lab - Enhand	emer	it of	Fraud I	Detection	< loo1	Alloca	ated Reso	urces >	Alloc	ated
Applications(r/-)	- Star Tiger Team - Beta	<b>•</b>		A	jan 11	B feb 11	Сп	nar 11	D apr 11	E ma	nj 11 F	jun 1
My Business Needs	Tiger Team - Gamma	Total	Σ 1	0		0	20		160	160	2	40
🐎 🔜 Business Needs	🛛 🚮 Tiger Team - Epsilon	Developer	2				20		160	160	1	60
Strategic Objectives (r/-)	New York Lab - Epsilon	Tester	3								8	0
Process Portfolios(r/-)	New York Lab - Sandra's Test (IT ar	a Project Manager	4									
My Projects	London Lab - Beta	Technical Writer	5									
Projects On Hold or Stopped	🕂 🌩 Tiger Team - Beta	Designer	6									
Project Roadmap	New York Lab - Capri	Designer	0									
Approved Projects	<ul> <li>Iger Team - Online Shopping Se</li> <li>Lion Team - Online Shopping Se</li> </ul>											
Projects Under Implementation	<ul> <li>New York Lab - Enhancement of F</li> </ul>											
My Draft Project Proposals												
Projects(r/-)												
Strates												
Resource Pools												
Risks												
i Use Cases												
Prioritize												
Visualize												
Information												

In this example, the developers and testers are allocated from the New York lab resource pool and the project managers and designers are allocated from the London lab resource pool. Therefore, the copied demand data is saved in the Developer and Tester rows only for the New York lab allocation and the copied demand data is saved in the Project Manager and Designer rows only for the London lab allocation.

ational Focal Poir

### Section 8 – Allocate resources

- Click Display > Approved Projects.
- The allocations are now associated with the project.

isplay > Approved Projects			IT Portfolio Management Template
%-	🗉 🖩 🛪 🔆 i 🖺 🥔 i 🕷 🗞	♦   ■   ≱	
Add	B-@ Projects(2/23)	Project Implen	nentation
Display	🕀 🧰 Program 3	T Scope	
읍 Resource Allocations	<ul> <li>Y Account Queries</li> <li>ATM Accessibility Lingrades</li> </ul>	Resource Mana	aement
Applications(r/-)	- V ATM Card Background	Allocations	London Lab - Enhancement of Fraud Detection Tool
The Provinces Needs	- V Automated Clearing House (ACH)		New York Lab - Enhancement of Fraud Detection Tool
Strategic Objectives (r/-)	V Automated Phone Service	Resources	400
Process	Automatic Card Replacement Servi		800
A Portfolios(r/-)	- V E-mail Alerts		
My Projects	V Employee Timecard System		500
Projects On Hold or Stopped	<ul> <li>W Home Equity Sales Tracking</li> <li>W IntersetLabor Claiming Outland</li> </ul>		
Project Roadmap	V Online Bill Payment		
Approved Projects     Approved Projects	♥ Online Shopping Security		400
My Draft Project Proposals	- V Personal Tax Services		
Projects(r/-)	- V Retail Banking		
Project Pre-Planning	- V SMS Banking		300
뛽쏥Resource Profile Rates	─ ♥ Top Customer Datawarehouse		
A Resource Pools	Enhancement of Fraud Detection T		200
Risks			
1 Use Cases			
Prioritize			100
Information			
Information			
			0
			2011 2011 2011 2011 2012
			v Demand : · Demand : · Demand : · Demand :
			Developer Tester Project Technical Designer
			Manager Writer
			To Time Grid editor
		Non-Approved Allocations	Non-Approved Resource Allocations Approver State
			London Lab - Enhancement of Fraud Detection Tool & Philippa + Pending
		Tatal Bassing Cast	New York Lab - Enhancement of Fraud Detection Tool & Richard + Pending
		Total Resource Cost	\$332.000
		Scneduling     Element Inform	astion
		Concernent morn	ladon
	Add Project Proposal Add Busines	s Need	



These attributes are in the Resource Planning section:

- Allocations A list of allocations that are associated to the project
- **Resources** A graph of the resources that are demanded by the project
- Non-Approved Allocations The allocations that have not been approved
- Total Resource Cost Depends on the rates of the resource profiles that are allocated

### Section 8 – Allocate resources

Richard, who is the My Project Proposals to Clarify Title Project St Project State approver of one of IBM. My Owned Open Risks Title Approach Probability the allocations, sees the allocations Allocations to Approve Total Supply Resource Pool he needs to itle Project New York Lab -♥ Enhancement of Fraud Detection Tool
Pending
<pPending</p>
Pending
Pending
Pending
Pen approve on his Home page. • • After reviewing the 021 New York Lab allocation, he clicks Allocation from the New York lab to the Er . oject ♥ Enhancement the allocation to New Yor open and approve pprover tate llocated esources it. 2000 1900 1800 1700 1500 1400 1200 1400 1200 100 900 800 700 600 500 400 300 200 100 State Approved 🗸 Pending Approved Not approved Select the state of the resource allocation approval. 2014 Q4 2015 Q3 2013 Q2 2014 Q1 H .....

When all allocations are approved, the PMO can export the project to CLM to start the implementation.

# Section 9 – Integration with CLM

This section explains how to do these tasks:

- How to export a project to CLM
- Understand which attributes in Rational Focal Point are moved to CLM
- Understand which attributes in Rational Focal Point are updated with data from CLM
- How to publish business needs to an existing project area in a CLM system.



### Section 9 – Integration with CLM

- Eric, a member of the PMO, displays the projects that are approved for implementation.
- To export a project:
  - Click Display > Approved Projects.
  - 2. Click the Create project icon.
  - 3. Select the CLM server and click Log In.
  - 4. Specify the process template, work item type, and owner and click **Create**.

			The state of the s	
isplay > Approved Projects			11 Portrolio Management Template	_
<b>%</b> -	🗉 🖩 🛪 🔆 i 🖿 🏘 i 🎽 🗞	♦   ■   ≱		
Add	⊟- <sup>(iii)</sup> Projects(1/18)	Projects		
Display	— ♥ ATM Accessibility Upgrades			-
Resource Allocations	- Y AIM Card Background	Current State	Transitions	
☆ Applications(r/-)	Automated Cleaning House (ACH)     V Automated Phone Service	W. Approved for implement	ation 📩 🔿 Deliver I 🛧 Place on hold I 📅 Ston	
My Business Needs	- V Automatic Card Replacement Servi			
Chartenia Obientiums (n( )	- 👻 Cash Management System Maintei			
Process	- V E-mail Alerts	Enhancement of Fram	1 Detection Tool	8
Protectal Portfolios(r/s)	Employee Timecard System     Home Equity Soles Tracking			1
My Projects	- V Internet Labor Claiming System	General Information		
Projects On Hold or Stopped	- V Online Bill Payment	Tal.	and References of Found Detection Tool	
Project Roadmap	— ♥ Online Shopping Security	Inte	Ennancement of Fraud Detection Tool	
Approved Projects	Personal Tax Services     Provide Control Control	Description	Ine project will do necessary upgrades to the fraud detection tool. We need real-time checks of risk factors. Automatic monitoring and alerts on suspect transactions is also important. Support for authentication of client data	
Projects Under Implementation	- Y Rewards Program		will be mandatory. In addition, the GUI needs a refresh and we also need to take a look at the access rights and	Ĩ
My Draft Project Proposals	- Y SMS Banking	Turne	user types.	
Projects(r/-)	─ ♥ Top Customer Datawarehouse	Type D. J.C.F.	e Stategic	
Project Pre-Planning	Enhancement of Fraud Detection T	Portfolio	a infrastructure	
Resource Profile Rates		Submitter	Giulia	
99 Resource Pools		Proposal Owner	§ Victor	
RISKS		IT Analyst	é Emma	
1 use cases		Business Units	Coperations 1	
rioritize			1 Investments	
Visualize		Comments	Giulia 2010-07-21 10:02:	
Information			We've seen how our current system has flaws that need to be corrected in order to maintain high usability and value to our business.	
			Emma 2010-07-21 10:23:	
			I will take	
				2
		I Links		
		Value Statements	A 1 1 1 1 1 1 1 1 1	
		Primary Strategic Objective	Adapt to new technologies	
		Project Objectives	update the fraud detection system to the latest technologies available.	
		Business Value	New technologies have been developed over the years. We need to stay up to date in order to prevent frauds. Th will in turn save cost for us.	•
		Problem	We have on few occasions missed to detect some frauds that could easily have been detected if we had the new technology. This has caused us to lose approximately \$1500K.	
		Solution	With the upgraded fraud detection tool that the project will provide, we will cover the holes and ensure that we don't lose money on the new type of frauds we've seen previously.	
		Initial Estimations		
		Risk Assessment		
		Financial Informatic	n	
	c) (1) (3)	T Project Implements	tion	

The IT portfolio template in Rational Focal Point can integrate with CLM. When you integrate the tools, after the steering committee approves a project for implementation, the PMO can export the project to the Change and Configuration Management application in the CLM system.

To export a project to a CCM application in a CLM system:

- 1. Click **Display > Approved Projects**.
- 2. Select the project to export to the CCM application in the CLM system
- 3. Click the Create project in Jazz icon.
- 4. Select the CCM application server to export the project to.
- 5. Click Log In. If you are already logged in, you will not be prompted with the Login page.
- 6. Select the process template, work item type and owner. In this example, the business needs are created as Plan Items in the CCM application in the CLM system. The Process Template defines which work item types can be selected. The owner must be the project manager in the CLM system.
- Click Create. Wait until the project is created; it might take some time to create the project. The CLM system receives the project and its related business needs. The project is no longer visible in the Approved Projects view. Instead, you can find it by clicking Display > Projects Under Implementation.

If you do not use the CLM integration, the PMO members can update Rational Focal Point with the details of the project plan and the actuals either manually or by using the Rational Focal Point Web services API.

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### Section 9 – Integration with CLM

• When a project is exported, these attributes are moved from Rational Focal Point to CLM:

Module	Rational Focal Point	CLM
Projects	Title	Project Area Name
Projects	Target Start Date	Start Date
Projects	Target End Date	Finish Date
Projects	Business Needs	Any work item type, for example, a Plan item, Story, or Defect. The work item type is defined by process template in CLM.
Business Needs	Title	Work Item Summary
Business Needs	Description	Work Item Description
Business Needs	Work Items	-



**Note**: The names of the fields in CLM are defined as in the formal project management template. Comments

- **Target Start Date and Target End Date** The Start Date and End Date for the project in CLM are actually the start and end dates of the iteration. To see the dates, click Project > Administration > Time-line editor.
- Link to Implementation Project The link to the project in CLM is set when the project is exported. When you click the link, you are directed to the project in CLM.
- **Implementation Project URI** This link is a hidden link that is set during project export. This link is a technical requirement to make the integration work.
- Work Items When the project is exported, the work item for a business need in Rational Focal Point is populated with a link to the work item in CLM.



### Section 9 – Integration with CLM

 Click Display > Projects Under Implementation. A link to the project in the CLM system will be displayed when the project has been transferred.



When you hover your cursor over a work item in Rational Focal Point, a window with details about the work item opens.

### Section 9 – Integration with CLM

- Eric identifies additional business needs for the project, and publishes them as work items in the existing project area.
- By publishing the linked business needs from a project, you can create additional work items or requirements in an existing project area for each business needs linked to the project.
- Bulk publishing can be configured for both CCM applications and Requirement Management (RM) applications in a CLM system.

34-		% (~ INI#		
Add	E- Projects(3)			1
Display	Maintenance Program	<b>Conference Room</b>	Planner	(> (* * * * * • • • • • • • • • • • • • •
Strategic Objectives (r/-)	- V Identity Protection 3	E General Informa	tion	0
Portfolios(r/-)     Preject Pro Planning	Conference Room Planner	ID	046	Publish elements to the CLM ser
* Project Pre-Plaining		Title	Conference Room Planner	
Projects Under Implementation		Description		
Approved Projects		Туре	Cost reduction	
Projects On Hold or Stopped		Portfolio	A Infrastructure	
Projects(r/-)		Submitter	Denice	
Applications(r/-)		Proposal Owner	& Chrie	
Risks		IT Analyst	å Laura	
Business Needs		Business Units	Se Commerce	6
Resource Allocations		Commente	Andrea 10/14/11 10:23 AM:	G.
Resource Profile Rates		Commenca		012
My Draft Project Proposals		Links		
My Projects		E Value Statemen	ts	
My Business Needs		Initial Estimation	ns	
Process		Risk Assessmen	t	
j Use Cases		Financial Inform	ation	
Prioritize		E Project Impleme	antation	
Visualize			·	- 4

Publish three new business needs as work items for the exported project:

- 1. Click **Display > Business Needs**.
- 2. Select the business need to include.
- 3. In the Projects attribute, set a link to the project.
- 4. Repeat steps 1-3 twice to add two more business needs.
- 5. Click **Display > Projects under Implementation.** Select the project.
- 6. Click the **Publish elements to the CLM server** icon. The **Select elements to publish** window is displayed:
  - In Attribute where the CLM servers were configured, select Work Items.
  - In Allowed CLM servers, select the CCM application that the project was exported to.
  - In Allowed project areas, select the project area corresponding to the exported project.
  - Select **Hide elements that link to artifacts on the CLM server** to ensure that you only create work items for the new business needs.
  - Click Add All.
- 7. Click Next.
- 8. In New Defect, select settings corresponding to the exported project. Click OK.

The Bulk Publishing Result is displayed. Click Close.

In this example, you publish work items to the project area of the exported project in a CCM application. If an integration with a Requirement Management application is configured, you can also publish business needs as requirements to a project area in a Requirements Management application by selecting **Requirements** in **Attribute where the CLM servers were configured**.

You can also add a single business needs to the project in the CCM application from the business need:

- 1. Click **Display > Business Needs**.
- 2. Select the business need to include.
- 3. In the Projects attribute, set a link to the project.
- 4. Edit the Work Items attribute and click Create New.
- 5. Enter details about the new business need; for example, who it is filed against, who it is owned by, the priority, and the planned for dates.
- 6. Click **OK** to save the work item in the CLM system.
- 7. Click the Save icon to save the work item in Rational Focal Point.

You can also link a business need to work items in the CLM system. In step 4 of the previous procedure, instead of creating a work item, click the **Select** button.

### Section 9 - Integration with CLM

- The following work items are related to the created project in the CLM system.
- The project manager has started dividing the plan items, called *business needs* in Rational Focal Point, into tasks and assigning them.

hancem	ent of Frau ork Ite	id Detection Tool▼ > Work Items > Queries > ms in the project						/ F 5. 8	4
Show All	I 🖂 Item	is Per Page	Previous   1 - 9 of 9   Next					Type Filter Text	
Туре	ld	Summary		Owned By	Status	Priority	Severity	Modified Date -	,
Φ	76	GUI Refresh		SANDRA	⇒ Committed	-	0	23 Jul 2010 12:08:32	2
ø	77	Real-Time Checks		RAJESH	⇒ Proposed	-	0	23 Jul 2010 12:03:55	5
Ê	85	Implement access rules		RAJESH	⇒ New		0	23 Jul 2010 12:01:59	9
Ê	84	Update security framework		RAJESH	⇒ New		0	23 Jul 2010 12:00:41	1
Ê	83	Review roles		RAJESH	⇒ New		0	23 Jul 2010 11:59:08	3
Ø	81	Access Rights		RAJESH	New	-	0	23 Jul 2010 11:49:14	4
Ø	75	Automatic monitoring and alerts		Unassigned	New		0	23 Jul 2010 10:51:49	9
ø	74	Authentication of client data		Unassigned	New		0	23 Jul 2010 10:51:48	3
ø	73	Access Rights		Unassigned	New		0	23 Jul 2010 10:51:48	3
			Previous   1 - 9 of 9   Next						

This user guide does not describe the implementation of the project in the CLM system or in any other project management tool.

# Section 10 – Monitoring project implementation

This section explains how to do these tasks:

- Update a project in Rational Focal Point with data from CLM.
- Understand which attributes in Rational Focal Point are updated from CLM.
- Monitor the implementation of projects.
- Monitor the project portfolio.

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Section 10 – Monitoring project implementation
<ul> <li>To update Rational Focal Point with data from the CLM system:</li> <li>1. Click Display &gt; Projects Under Implementation.</li> <li>2. Click the Update Project icon to update the project.</li> <li>3. Log in to the CLM server.</li> <li>4. Update the project.</li> </ul>
Projects
Current State Transitions
Enhancement of Fraud Detection Tool General Information Links Value Statements The Export Project icon
has been replaced with the Update Project icon.

Before you update the project in Rational Focal Point with information from the CLM system, you must take a snapshot in CLM. You must take a snapshot each time you update the project in Rational Focal Point.

**Note**: When you integrate Rational Focal Point with a CLM system, you must update the projects individually. Multi-updates and automatic scheduled updates are not supported.



Project attributes updated from the CLM system:

Project Implementation Priority 2
Priority 2
Link to Implementation Project https://9.184.147.170:9443/rtc/web/projects/Enhancement+of+Fraud+Detection+Tool#action=com.ibm.team.apt.viewPlan&page=viewModel∈ ABrCoF907Rw
Implementation State Ungoing
Completeness (%) 89 %
□ Scheduling
Duration 15 months
Target Start Date 1/3/11

□ Scope	
Business Needs	2 003: Access Rights
	O08:Authentication of client data
	O10:Automatic monitoring and alerts
	💋 032:GUI Refresh
	🎎 063:Real-Time Checks
Total Estimated Effort	3,050 hours
Total Planned Effort	3,225 hours
Total Actual Effort	3,189 hours
Days Delay	0 days

\*\*\*

Scheduling	
Duration	15 months
Target Start Date	1/3/11
Planned Start Date	1/10/11
Actual Start Date	1/10/11
Target Implementation Date	3/14/11
Planned Implementation Date	13/16/11
Actual Implementation Date	3/15/11
Target End Date	12/20/11
Planned End Date	12/23/11
Actual End Date	12/22/11
Target Delivery Date	3/31/12
Planned Delivery Date	3/12/12
Actual Delivery Date	-
Snapshot Date	12/23/11

The Total Planned Effort and Total Actual Effort attributes automatically calculate the sum of the planned effort and actual effort for the related business needs to the project level. If you integrate with the CLM system, it overwrites those calculations with the values for the planned effort and actual effort of the project.

If you do not integrate with CLM, the PMO must update the planned and actual hours for business needs manually.

Comments:

- **Total Planned Effort** and **Total Actual Effort** The Planned Effort and Actual Effort values in the CLM system are shown as a progress bar in the iteration plan view (Eclipse client) and in the iteration plan list view (Web client).
- Last Snapshot Date The Last Snapshot Date for the business needs related to the project will be the same as the Last Snapshot Date for the project.
- **Completeness (%)** The Percent Complete in the CLM system, e.g. 34% or 78%. The progress of all the business needs are rolled up and displayed as the project completeness.

### Section 10 – Monitoring project implementation

Business Needs attributes updated from the CLM system:

Status and Plant	anning
State	🖉 Completed
Work Item State	Verified
Priority	12
Completeness (%)	100 %
Responsible	🖞 Indra
Target Start Date	5/2/11
Planned Start Date	5/4/11
Actual Start Date	5/5/11
Target End Date	10/18/11
Planned End Date	10/20/11
Actual End Date	10/21/11
Snapshot Date	12/23/11

Effort				
Estimated Effort	160 hrs			
Planned Effort	100 hrs			
Actual Effort	68 hrs			
Actual vs Planned	0			
Links				
Application	Fraud Detect	ion Tool		
Projects	Y Enhancement of Fraud Detection Tool			
Related to Business Needs	-			
Related from Business Needs	-			
Work Items	83: Plan Item 83	3: Access Rights		



**Note**: The snapshot date for a business need is the same as the snapshot date of the project that the business need is related to.

Comments:

- **Planned Effort** The correction value will override the Estimate value in the Estimate / Correction fields in the CLM tool.
- **Planned Start Date** Planned start dates are not displayed for work items in the CLM system. This date is visible only in the timeline of a work item in the Gantt view.
- Actual Start Date Actual start dates are not displayed for work items in the CLM system. This date is visible only in the timeline of a work item in the Gantt view.
- **Planned End Date** Planned end dates are not displayed for work items in the CLM system. This date is visible only in the timeline of a work item in the Gantt view.
- Actual End Date Actual end dates are not displayed for work items in the CLM system. This date is visible only in the timeline of a work item in the Gantt view.
- **Completeness (%)** The Percent Complete in the CLM system, e.g. 34% or 78%. The progress of all the children work items is rolled up and is displayed as percentage completeness.
## Section 10 – Monitoring project mplementation

- Monitor all ongoing projects
  - Click Display > Projects(r/-)
  - > In the Filter list, select Business Overview Ongoing Projects

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ig*	H 🔲 🛛 🛠   E 🗞   1	<b>⊈ %</b> ♦   <b>≥</b>	Business Ove	rview Ongoing Proj	acts M											
dd						Primary Strategic	Average Risk	Mean	Implementation	Completeness						
isplay	ID* Title	Туре	Portfolio	Business Units	Related Applications	Objective	Score	NPV	State	(%)	Business Needs	Durati				
Applications My Business Needs	U33 Account Queries	<ul> <li>Strategic</li> </ul>	Applications	12 Operations	Mail System	1 Increase efficiency	16			22 591 665 Started				12 %	O12:Client history     O13:Compare CD Rates with other Banking Providers     and Online Providers     H. 014:Component content	a mor
*_Strategic Objectives * Process * Profitions * Projects * Project Readmap * My Dright Project Proposals * Project Readmap * Readwap * Readwap * Like Cases * Interferences * Stopped Projects * Like * Like Cases * Interferences * Stopped Projects * Like Cases * Like Ca	034 ATM Accessibility Upgrades	Ψ Cost reduction	Applements     Deventers     Deposition     De		00 Started	34 %	Or2ATM software reads to support visually impaired     for 2005 earns' Component Base     for 2016 regards for portfolio     for 2016 regards and the software     for 2016 regards and the software	10 month								
Jormation (	035 ATM Card Background	♥ Revenue	🛃 Business	1 Investments	📀 Core Banking	1 Innovation	28	\$4 498 0	00 Started	76 %	27:eStatements	14				
	037 Automated Clearing House (ACH)	♥ Strategic	Infrastructure	Sommerce	Deposits Inventory Control	1 Nanage change	22	\$983 000	To be tested	79 %	E] 023:Encoding ② 029:Flexible time sheet entry ③ 038:Java applets ③ 035:Johine Employee Flexible Work Schedule applicatione	13 month				
	038 Automated Phone Service	♥ Cost reduction	Business Operation	1 Investments	Call Center Application	1 Save cost	17	\$3 614 0	00 Completed	89 %	004:Access Rights     018:Electronic Data Interchange (EDI) - Invoicing     019:eNail Alerts     029:Flexible time sheet entry     038:Java applets	13 month				
	040 Automatic Card Replacement Service	₩ Mandatory	🛦 Infrastructure	1 Commerce	Call Center Application	Adapt to new technologies	20	\$1 978 5	00 Started	43 %	012:Clent history     012:Clent history     012:Clent history     012:Clent history     013:Platform to support web-based solution     15.064:Reduce casts associated with lost cards     15.064:Reduce system	13 month				
	043 Cash Management System Naintenance		📥 Infrastructure	1 Commerce	Check Processing	1 Adapt to new technologies	22	\$2 310 0	00 To be tested	93 %	O09:Automated process for Home Banking Analysis     O78:System Interface for Cash Management	14 month				
	Maximum number of elements per p	page														
	50 M	Ex	port Projects(r/-)	Update Projects							Tree	View St				

This view shows all of the ongoing projects in a table. The PMO, steering committee, and executive stakeholders can access this view and these filters. In this view, you can for example see the following information about projects:

- Types
- Portfolios to which they belong
- Primary strategic objectives
- Average risk scores
- Mean NPVs
- Percentage of completeness

### Section 10 – Monitoring project implementation

 The Projects(r/-) view has other filters, such as Financial Overview Ongoing Projects, Health Ongoing Projects and Schedule Overview Ongoing Projects.

వో Aational Focal Point			Workspaces   Hon	ne   Preferences   Andrea   Help   Log Out										Help   Log Out
Display > Projects(rl-)		IT Partfolio Managemen	Template	<b>∽</b>	Display > Projects(r/-)				IT Portfolio H	anagement Ten	clate			M
%-	日田 西 夫   日 よ   私 物 今	🖹   📴   Financial Overview Orgoing P	rojecta M		**	9 🔲 🛛 🛠 I 🖬 🏘	1 🗷 🎙 🛇	•   🖹   💽 [	Health Ongoing Pro	ijects	×			
Add	ID * Title	Mean NPV IRR ROI Payback Period	Anancial Risk Expenses Overrun	Used Budget vs Completeness %	Add Display	ID* Title	Average Risk Score	Implementation State	Completeness (%)	Expenses Overrun	Used Budget vs Completeness %	Project On Schedule	Project Progress on Target	Project Scope Delay
& Allocated Resources	033 Account Queries	\$2 591 000 12 % 110 % 5 quarters	\$356 000	8	Allocated Resources Applications	033 Account Queries	16	Started	12 %		8	8		
Applications My Business Needs	034 ATN Accessibility Upgrades	\$1 892 000 25 % 119 % 5 quarters	\$654 000	8	Hy Dusiness Needs	034 ATH Accessibility Upgrades	41	Started	24.15		8	8		
Pa Business Units	035 ATN Card Background	\$4 498 000 23 % 116 % 3 quarters	\$1 295 000	8	Strategic Objectives	035 ATH Card Background	28	Started	76 %		8			
Process	037 Automated Clearing House (ACH)	\$983.000 16 % 104 % 6 quarters	\$97.600	8	Process APortfolios	037 Automated Clearing House (ACH)	22	To be tested	79.%		8	8		8
My Projects	038 Automated Phone Service	\$3.614.000 16 % 113 % 3 quarters	\$579 000	ă l	My Projects (2) Project Roadmap	038 Automated Phone Service	17	Completed	09 %		8	8		8
Project Roadmap Wy Draft Project Proposals	040 Automatic Card Replacement Service	\$1 978 500 18 % 122 % 5 quarters	\$765 000	8	Wy Draft Project Proposals So Projects(r/r)	040 Automatic Card Replacement Service	20	Started	40.%	8	8	8	8	8
Projects(r/-)	043 Cash Management System Naintenance	\$2 310 000 21 % 101 % 7 quarters	\$674 000	i i	Project Business Cases To A	043 Cash Management System Maintenance	22	To be tested	93.%	8		8		
Projects to Approve for Imple     Decisit Deleges	054 E-mail Alerts	\$1.328.000 14 % 111 % 3 quarters	\$399 000	ñ	Project Belance	054 C-meil Alerta	16	Started	12 %	8	8	8	8	
Stopped Projects	056 Employee Timecard System	\$854.000 22 % 104 % 6 quarters	\$218 000	8	Resource Pools	056 Employee Timecard System	44	Started	55.%	8	8			
Resource Pools	060 Home Equity Sales Tracking	\$3.421.000 19 % 115 % 8 quarters	\$1 765 000	8	Upe Capes	060 Home Equity Sales Tracking	4	Started	28 %		8			
1 Upe Capes			6	0	Prioritize									
Prioritize					Visualize									
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Expenses Overrun	Add Ciscley & Alexated Ress > Application	1esources 10.4 Te	the Di coount 6 iveries	arget Impleme unition State months Started	rtation Com (%) 63 %	oleteness Chi Scher	a Project Pro Progress Sco Sule on Target De	(ed) (pe lay Duration S month	Target Start Oate	terned Adus Iter Date Start 2000-04-05 2013-	Target Implementation Date 4-07 2818-09-20	Planned Implementation Date 2010-09-20	Actual Implementation Date 2010-09-30	Target Parried Attual End Cens End Cens End Cens 2010-10-21 2010-10-28	Target Mannes Delivery Deliver Dete 2000-11-30 2000-1	y Delivery Date 2-34 -	Snapshot Data 2000-89-20
Used Budget vs Completeness %	C States Units	inte 034 AT	TM B cossibility	months Started	12.%	8	8 8	50 months	2010-07-01 1	000-07-12 2018-	0-13 2011-01-18	3811-01-23		2011-02-13 2011-02-13 -	2011-05-00 -		
osed budget vs completeness /s	Process     Portoles	035 A	TH Card 31 adoptound m	Started Started	75 %		8	14 months	2009-10-12 2	009-00-35 2009-	8-26 2010-02-15	2010-02-22	2018-03-30	2018-08-16 2018-08-16 -	2000-12-20 -		2010-00-00
	O Hy Projects     So Project Ready	ednap 037 Au	Starvated 11 Staring m Outer (ACH)	n Tabete ortha	iled 79 %	8	8 8	13 menthe	2010-01-04 2	000-01-11 2010-	0-12 2010-10-11	2010-10-10	2010-10-22	2010-12-30 2010-12-30 -	2011-01-17 2011-0	1-17 -	
Project On Schedule	Wy Draft Holp     Weight	oject Proposalo oject Proposalo oject Proposalo oject Proposalo oject Proposalo oject Proposalo oject Proposalo oject Proposalo	tone m ervice	a Complet ortha	ed 29 %	8	0 8	13 months	2009-09-14 2	009-09-02 2009-	8-07 3312-05-14	3010-05-03	3810-05-10	2010-07-26 2010-07-28 2010-07-2	2000-00-11 2000-0	5-11 -	
Project Progress on Target	Project States     Project States     Project States     Project States	Approve for Driph 043 Au Iance Re rojecta St	and m aplacement ervice	ortha	43 %	8	8 8	13 months	2010-05-03 2	000-05-07 2018-	6-07 2011-02-07	2811-02-07		2011-05-09 2011-06-13 -	2011-05-31 2011-0	5-31 -	
hisjeet hisjieds on harget	Resource Pool     Kakas     Use Soor	heole 043 C	ant 13 anopoment en ystern	2 To be te cetho	rted 93 %	8	8 8	14 months	2009-11-10	009-11-23 2009-	1-24 2010-08-24	2818-08-20	2918-08-17	2010-11-22 2010-11-15 -	2011-01-39 2010-1	2-22 -	
Project Scope Delay	O Priorition Viscolice	054 8-	mei Alerts 14	4 Storted ooths	72 %		8 8	16 manths	2010-04-01	000-01-29 2030-	2-18 2011-02-14	2013-03-18		2011-08-24 2011-08-21 -	2011-07-31 2011-0	7-38 -	2000-07-22
	Infernation	055 Dr	mployee 6 intecent votem	months Started	55 %		8 8	7 month	2010-00-02	000-08-15 2018-	8-16 2010-11-15	2010-11-15		2011-01-17 2011-01-17 -	2011-82-22 2011-8	2-22 -	2010-09-1
	-	060 80	ome Coulty 11 ales m racking	3 Started onths	28.5	8	8	14 months	2810-07-01	000-87-81 2013-	0-12 2011-05-09	2011-05-09		2011-06-19 2011-06-19 -	2011-05-30 2011-0	5-30 -	

#### 

These filters provide overviews of the current status of the ongoing projects. The indicator icons indicate the health of the project.

- Expenses Overrun If the actual expenses for the project have exceeded the likely expenses by more than 20%, the indicator is red. If expenses have exceeded by between 10-20%, the light is yellow. If expenses have exceeded by less than 10%, the light is green.
- Used Budget vs Completeness % TrafficLight used as indicator if project completeness is low and money used (the total actual expenditures) is high compared to money planned (the total planned likely expenditures). The TrafficLight will show red if the difference between percent complete for the project and the percent money used is higher than 30%, yellow if between 20 and 30% and green if less than 20%.
- **Project On Schedule** If both the actual start date and actual end date are more than 30 days from planned start date or planned end date, the indicator is red. If either the actual start date or actual end date are more than 30 days from the planned start date or planned end date, the light is yellow. If neither the actual start date nor the actual end date are more than 30 days from the planned end date, the light is green..
- **Project Progress on Target** If the difference between the percent complete for business needs and percent complete for the project schedule (based on the planned start date, the current date, and the planned end date) is higher than 30%, the indicator is red. If the

difference is between 20 and 30%, the light is yellow. If the difference is less than 20%, the light is green.

• **Project Scope Delay** – Compares the total number of days to implement business needs with the number of days from the planned start to planned end. If the number of days to implement business needs exceeds the planned project days by more than 30%, the indicator is red. If the number exceeds by between 20 and 30%, the light is yellow. If the number exceeds by less than 20%, the light is green.

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## Section 10 – Monitoring project implementation

- The steering committee and executive stakeholders can monitor the portfolio on their Home pages.
- Click Home to view the following information:
  - Portfolio Health
  - Projects With Overrun Planned Expenses

Title	Project Expenses Overrun	Red Lights in Ongoing Projects	Portfolio Level Risk Score	Project Level Risk Score	Net Cash Flow for Delivered Projects	Accumulate Investments	Total Mean NPV - d Ongoing s Projects
Infrastructure		00		0	\$-1 434 677	\$3 885 272	\$7 163 500
External Applications					\$12 440 000	\$47 870 000	\$6 012 000
Business Operation		00		00	\$6 094 000	\$8 997 000	\$10 294 000
Projects wi	th Overru	n Planned	Expenses				
Title	Project	State	Port	folio	Implem State	entation	Expenses Overrun
Home Equity	Y Appr	roved for	<b></b> 5	xternal	Started		



The Portfolio Health area contains the following information:

- **Project Expenses Overrun**: If at least one ongoing project is exceeding its planned likely expenses by more than 20%, the indicator is red. The projects that have overrun the planned expenses are listed in the Projects with Overrun Planned Expenses window, which is also displayed on the home page.
- **Red Lights in Ongoing Projects**: If the number of red lights in ongoing projects is more than 20, the light is red. If the number is between 10 and 20, the light is yellow, and if the number is less than 10, the light is green.
- **Portfolio Level Risk Score**: If the average portfolio risk score is more than 50, the light is red. If the number is between 30 and 50, the light is yellow. If the number is less than 30, the light is green.

- **Project Level Risk Score**: If the average project level risk score is more than 20, the light is red. If the number is between 10 and 20, the light is yellow. If the number is less than 10, the light is green.
- Net Cash Flow for Delivered Projects: The total net cash flow for all delivered projects in the portfolio
- Accumulated Investments: The total cost for all projects in the portfolio until now
- **Total Mean NPV Ongoing Projects**: The sum of the mean NPV for the ongoing projects in the portfolio

The Projects with Overrun Planned Expenses area contains a list of the projects that have overrun their planned likely expenses by more than 20%. You can also see which implementation state the projects are in and which portfolio they belong to. To see details, click the links.



The Portfolio Financials area contains the following information:

- **Financials Existing Projects** Financial data from all projects in the portfolio that are in the Approved for Implementation or Delivered states. The graphs show the Net Cash Flow for the Planned Low, Planned Likely, Planned High, and Actual sheets.
- **Financials Pipeline Projects -** Financial data from all projects in the portfolio that are in these states: Ready for approval decision, Ready for prio, Pre-plan project, or Ready for

implementation approval. The graphs show the Net Cash Flow for the Planned – Low, Planned – Likely, and Planned – High sheets.

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## Section 10 – Monitoring project implementation

The p distrib	oroject s oution a	tate nd ris	k			Drajact Dictribution: State		
		15 5110	JWII			Project Distribution. State	Quantity	Share
on the	e Home	page	<b>)</b> .			Draft	35	17,2%
					NEW	Proposed	60	29,6%
						Accepted	19	9,4%
					Q	Under investigation	8	3,9% 🔲
					<b></b>	Finalize business case	15	7,4%
					☆	Ready for approval decision	2	1,0%
					*_	Ready for prio	10	4,9%
Open High Pr	riority Portfolio I	Risks	Deskahilika	Comment	围	Pre-plan project	7	3,4% 🔳
Budget overrun	A Infrastructure	Mitigate	10 - Very	7 - High	*	Ready for implementation approval	7	3,4% 🔲
Poor project	A Infrastructure	Accept	High	A - Medium	٣	Approved for implementation	18	8,9%
management					0	Delivered	10	4,9% 🔲
project deliverables	Applications	Watch	Medium	1 - LOW		Business Need	1	0,5%
Possibility to	A External	\rm Mitigate	🗧 7 - High	🗖 4 - Medium	-	Backlog	2	1,0%
Budget cuts	Applications	Watch	1 - Low	🗖 4 - Medium	=	Duplicate	1	0,5%
- -	Operation	0	-	-	0	To be clarified	1	0,5%
plans	Business Operation	Accept	1 - Low	1 - Low	+	On hold	2	1,0%
Unacceptable NPV	Business Operation	! Mitigate	10 - Very High	10 - Very High		Stopped	2	1,0%
Lacking	Business	\rm Mitigate	10 - Very High	🗖 7 - High	8	Rejected	3	1,5%
availability	Operation		- ingri			Delete	0	0,0%
Poor application of best practice	Applications	<ul> <li>Mitigate</li> </ul>	U 4 - Medium	/ - High			Sum: 203	
Failing execution of strategy	A Infrastructure	👁 Watch	□ 4 - Medium	1 - Low				
Changed strategy	Applications	Accept	4 - Medium	1 - Low				
High expectancy - Low result	Business Operation	👼 Watch	🚺 1 - Low	🔲 4 - Medium				

- **Project distribution: State** Shows all projects according to their state. To open a list of all projects in a certain state, click the number in the Quantity column or the bar in the Share column.
- **Open High Priority Portfolio Risks** Shows a list of all portfolio risks that are open and where priority is high. To see details, click the links.

### Section 10 – Monitoring project implementation

 The Strategic Objectives chart shows the sizes of the ongoing projects, which are based on Total Mean NPV, distributed according to the strategic objectives.



#### 

- Strategic Objectives: This chart shows how the strategic objectives are weighed. In the screen capture, the Innovation objective is ranked as the most important with about 36% weight. The Save Cost objective is the second most important with 28% weight.
- Size of Ongoing Projects (Total Mean NPV) for Strategic Objectives This area shows the distribution of the mean NPV for ongoing projects against the strategic objectives. In the screen capture, around 6.2 million dollars are invested in the Adapt to new technologies objective. When compared with the importance of that strategic objective, it is a poor investment. Instead, more money should have been invested in the Save cost objective, which is the second most important objective.



## Section 10 – Monitoring project implementation

- Eric, a member of the PMO, clicks Display > Projects Under Implementation
- He changes the state to Delivered

Add	Projects(1/1)	Deliver	
& Resource Allocations	Enhancement of Fraud Detection 1		
Applications(r/-)		Current State	Transition End Stat B
My Business Needs		Y Approved for implementation	Delivered
🏷 🔜 Business Needs			
🚰 Strategic Objectives (r/-)			
Process		Enhancement of Fraud Detection Tool	
A Portfolios(r/-)		Comments	🧄 🌙 🌭 🥔 B 7 U 🔤 🏣 🖙 🏹
Projects			This project is new ready to be delivered
Project Roadmap			This project is now ready to be delivered.
Approved Projects			
Projects Under Implementati			
My Draft Project Proposals			
Projects(r/-)			
Project Pre-Planning			
Resource Profile Rates			
Pieles			
Lise Cases			
Prioritize			
Visualize			
Information	1		

Once the project has been completed, the PMO changes its state to Delivered.

## Section 11 – Integrating with Rational System Architect

This section explains these concepts:

- The value that the integration between IBM ® Rational ® System Architect and Rational Focal Point can provide to your business.
- The tasks you can complete by integrating Rational System Architect with Rational Focal Point.

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### Section 11 – Integrating with Rational System Architect

- Aligning your IT portfolio and processes with business strategy is important, especially during organizational changes, such as mergers and acquisitions.
- You can use Rational System Architect to model your present and future enterprise architecture, your organization, processes, applications, servers, use cases, and user groups and understand how they are related to each other. You can gain a clear and simple view of your enterprise and connect business and IT.
- You can integrate Rational Focal Point with Rational System Architect to determine which projects to run to reach your future enterprise architecture in the best way. The value analysis of projects and applications in Rational Focal Point supports this work.
- With this integration, you can complete the following tasks:
  - Import identified projects, applications, and strategic objectives from Rational System Architect to Rational Focal Point.
  - Analyze costs and benefits, trade offs, and gaps by completing pairwise comparisons and scorecards in Rational Focal Point.
  - > Plan the projects with the most value in a road map in Rational Focal Point.
  - > Act on the analysis results and plans in Rational System Architect.



## Section 12 – Analyzing applications

This section explains how to complete these tasks:

- Add and display applications.
- Display a table of application scorecards.
- Analyze gaps in applications.
- Analyze the value of applications.
- Complete a value realization of applications.

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## Section 12 – Analyzing applications

<ul> <li>To add applications</li> <li>Rational Formation</li> </ul>	s to			Workspaces   Home   Preferences   E	mma   Help   Log
Point:	%•	<b>E = ¤</b> *   <b>E</b> #   <b>%</b>	◇   🖻   ≱ 🛛	No filter M	
<ul> <li>Click Add Application</li> <li>Integration Rational S Architect.</li> </ul>	> Dr by With by Stem by Stem by Stem by Stem by Stem by Stem by Stem construction const	Constructions (113)     Call Servicing     Investory Control     Call Servicing     Control     Call Servicing     Construction     Control     C	Investment Wea Application ID Title State Type Description Application Descriptio Comments Attachments Application Owner Business Units	Ith Management OII Investment Weakb Management © In production Internal Support as Bulling agent to sell Investment Products that managed by Fund Manager such as Mutuel Fund and sel Bondar Products through branches.	
<ul> <li>To see all applications</li> <li>Display &gt; Application</li> </ul>	5, Click Visualize Information		Department Sponsoring Organization Business Business Value & Benefits Proposed Date Approved Date Purchase Date Service Date End of Service Date Usage Number of Durchased	tes 7/16/07 10/24/06 5/12/00 12/16/15 5/12/00	
		6 · · · · · · · · · · · · · · · · · · ·	Number of Purchased Number of Oployed Usence of Oployed Usence (Number of Oployed Usence (Number of Oployed Internet of Oployed Reliability Availability Availability Architectural Fit Total Score Criticality B Financials	250 250 80 % 66 months 7 - High 10 - Very High 10 - Compliant 34 7 High	
ji Ji					

In the IT portfolio management template, IT analysts can add and manage applications.

## Section 12 – Analyzing Applications

- Display > Applications > Application Financials
- Budget, Planned and Actual sheets for each application.



To update the financial information about an application, the IT analyst can click **Display** > **Applications** > **Application Financials** > **To Time Grid editor**. The analyst can view three sheets: Budget, Planned, and Actual. The Budget sheet contains the budgeted benefits and costs. The Planned sheet contains the expected benefits and costs. Update the Actual sheet with the actual numbers as they are provided. A graph of the net value over time is displayed in the attribute list for the application.

A person with the Finance role can also update the application financials.

### Section 12 – Analyzing applications

Display application scorecards:

- Click Display > Applications.
- From the Filter list, select Scorecard
- Switch to Table mode. This report shows a list of the applications that are in production in a scorecard view.

splay > Applications			IT Portfolio Ma	anagement Template			
¥*	╘ 🔳 🛯 🛠   Е 🖨   ≒ % 🗞   🗎	Scorecard	*				
\dd	ID * Title	Liability	Reliability	Availability	Architectural Fit	Total Score	Criticality
Display	001 Loan Servicing	1 - Low	10 - Very High	4 - Medium	💕 10 - Compliant	25	7- High
P & Applications	002 Inventory Control	🗖 7 - High	🔲 10 - Very High	🔲 10 - Very High	🚮 10 - Compliant	37	1 - Low
Business Needs to Plan	003 Call Center Application	🖸 7 - High	🗖 7 - High	🗖 7 - High	🚮 10 - Compliant	31	🔲 4 - Medium
Business Needs	004 CALM - Customer Lifecycle Account Management	🗧 4 - Medium	10 - Very High	10 - Very High	🛃 10 - Compliant	34	10 - Mission critica
Strategic Objectives (r/-)	005 Check Processing	7 - High	7 - High	10 - Very High	s 10 - Compliant	34	4 - Medium
Process	006 Core Banking Deposits	4 - Medium	1 - Low	7 - High	1 - Non-compliant	13	4 - Medium
My Projects	007 Credit Risk Management	4 - Medium	4 - Medium	7 - High	a 1 - Non-compliant	16	A - Medium
My Project Proposals To Asse	008 Customer On-line Access	10 - Very High	10 - Very High	10 - Very High	st 10 - Compliant	40	7- High
My Draft Project Proposals	000 E-Planner	C 7 - High	a 4 - Medium	10 Very High	al 10 - Compliant	21	<ul> <li>10 - Mission critic</li> </ul>
Projects(r/-)	010 Smud Detection Text	D 10 Maar Hisk		C 7. Uish	10 - Compilant	10	10 - Mission critic
Project Pre-Planning	010 Fraud Detection Tool	10 - Very High	I - LOW	J / - High	a 1 - Non-compliant	19	TO - Mission critic
New Project Proposals	011 Investment Wealth Management	7 - High	7 - High	10 - Very High	10 - Compliant	34	7- High
Project Risks	012 Mail System	a 4 - Medium	7 - High	10 - Very High	🚮 10 - Compliant	31	7- High
Use Cases	013 Marketing and Promotions System	📒 4 - Medium	🖸 7 - High	🖸 7 - High	🐒 10 - Compliant	28	🛑 7- High
lisualize							
nformation							

In the example in the screen capture, an application in an important production has scored low on reliability. To resolve this situation, you might propose a project that is related to this application that can address the reliability issue. You might also search for business needs that are raised against this application that will improve reliability and that can be included as part of the scope.

### Section 12 – Analyzing applications



In the example in the screen capture, a user named John is selected as the application gap analyst. John must vote for how much he needs certain applications compared to how satisfied he is with the applications. John does pairwise comparisons according to User Need and then compares according to User Satisfaction.

**Note:** To access the Application Gap Analysis – My Prio view, you must have the Application Gap Analyst secondary role.

### Section 12 – Analyzing applications

 To see the results of the prioritization, click Visualize > Application Gap Analysis – My Prio



The Application Gap Analysis – My Prio view shows the result of the prioritization. The black arrows in the chart represent the difference between positive and negative. When the arrows are close to the middle, the gap is small. When the arrows are far from the middle, the gap between need and satisfaction is large. For example, this user often needs the Check Processing application, but is not satisfied with it. However, he has no issues with the Fraud Detection Tool.

Note: To access this view, you must have the Application Gap Analyst secondary role.

## Section 12 – Analyzing applications

- To view the results of all gap analysts' votes, click
   Visualize > Application Gap Analysis – All
- The red line shows disagreement. If the line is far to the right, disagreement is strong.



In the example in the screen capture, the Loan Servicing and Credit Risk Management application has the biggest gap between satisfaction and need. The disagreement about the Check Processing application is strong.

**Note**: This view is accessible only to IT analysts and users with the Application Gap Analyst secondary role.

### Section 12 – Analyzing applications

To set up a gap analysis:

- The user who votes must have the Application Gap Analyst secondary role. An administrator can grant this role.
- An administrator must create two criteria for each application gap analyst.





To set up a gap analysis:

- 1. Log in as an administrator and click **Modules > Criteria**.
- 2. Add a criterion named User Need.
- 3. Select the Gap Analyst.
- 4. Edit the title and enter the following expression: ="User Need: " + 'Gap Analyst'
- 5. For the Objective, select Minimize.
- 6. Add a criterion named User Satisfaction.
- 7. Enter this expression for the title: ="User Satisfaction: " + 'Gap
  Analyst'
- 8. For the Objective, select Maximize.

## Section 12 – Analyzing applications

Analyzing application value			Add Display Prioritize     Witak Analysis - Project Proj     Value Analysis - Applications     Strategic Algoment - Applicat	Inventory Control Application ID 035 Tile Inventory Co State Inventory Co	Which is mos	t aligned witi ඉංක /	h Adapt to Applica ID Title State Type	New Techno Risk Management stion 038 Credit Risk Mana © In production Internal	ologies? 18 : 우쇼 및 / perment
<ul> <li>To prioritize applications against strategic objectives, click</li> <li>Prioritize &gt; Strategic</li> </ul>	170 Pational Foral Point		Rais Analysis - Indition A Rais Analysis - Indition G Rais Analysis - Portfolo C Value Analysis - Applicator Value Analysis - Applicator Stategic Algomet - Project Stategic Algomet -	Description Business Application Dates Usage Scorecard Costs Links Technical Details		comment *	Descrip Busine Applice Usage Scorec Costs Links Technie	ation 55 ation Dates and cal Details	1
Alignment –	Prioritize > Value Analysis - Project	Proposals					IT Portfolio /	Management Conf	
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<ul> <li>To prioritize applications against Complexity, Cost, and Business Value, click Prioritize &gt; Value Analysis – Applications</li> </ul>	Overlage         Overlage Analysis - Project Free           Overlage Analysis - Project Free         Free Analysis           Testing Analysis         Analysis - Project Free           Testing Analysis         Free Analysis           Testing Analysis         Free Analysis	Tida Zeta Progect Sea Description Zeta Description Zeta Pordelo ▲Dusia Pordelo ▲Dusia Unitsa Ye Coa Unitsa Ye Coa Uni	ty for pro reduction mease Operation is is is assen	comment +	Title Cast Project % 2 / Dascription Type -Sel Portofio - Units - Commarka - Links Value Statem Initial Estimat Risk Assem Financial Info	ar ants ants ions ent mation		,	
		Completed: 12. Requ	ired: 5. Recommended: 11.	>> > =	Contraction of the second s	ementa 6. ja.pvc.corai	stency.pwcpairscale	s.comperision 13.	

The steering committee can analyze the value of applications by prioritizing them against the strategic objectives. After the strategic fit is determined through that analysis, the committee can continue analyzing value against cost, complexity, and business value.

## Section 12 – Analyzing applications



To understand the value that each application provides to the business, study the results of the application value analysis. For example, if you find that an application high cost but low value, you might consider replacing or retiring the application.

**Note**: The weight of the strategic objectives that is determined through the prioritization of strategic objectives affects the result of the strategic alignment of the applications. If the weight changes, the strategic alignment chart is updated.

### Section 12 – Analyzing applications

- Analyzing the value realization of applications
- IT analysts analyze the application value realization.
- Click Display > Applications.
- Value realization applies only to delivered projects.



#### 

- **Delivered Projects** Displays the list of delivered projects that were run against the application
- **Project Business Value** Displays details about each delivered project; for example, their business value, total expected benefits and expenses, and total actual benefits and expenses
- Achieved Value A description of the value that the application has provided to the business
- **Total Actual Benefits for Delivered Projects** The sum of the actual benefits for the delivered projects run against the application
- **Total Actual Expenses for Delivered Projects** The sum of the actual expenses for the delivered projects run against the application
- **Perceived Value** The perceived value that the application has to the business. This field is updated over time.
- **Perceived Value Trend** A graphical representation of the changes in Perceived Value for the application over time, including a trend line

## Section 13 – Analyzing risks

This section explains how to complete these tasks:

- Analyze risk on the portfolio level in XY charts and pie charts
- Display application, portfolio, or project risk scorecards



This XY chart shows the risks that are associated with a certain portfolio. The X axis contains the Consequence score, the Y axis contains the Probability score, and the bubble represents the Priority score. The icon preceding the risk name in the chart represents the approach that the business uses for each risk: Accept, Watch, or Mitigate.

## Section 13 – Analyzing risks

The steering committee views the data in Pie Chart mode



The pie chart mode shows the same risks for the same portfolio in a pie chart. The sector is the Consequence score and the height is the Probability score. To turn the pie chart, use the arrows, as step 3 in the screen capture indicates.

## Section 13 – Analyzing risks

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- The steering committee can also look at all risks in a scorecard table.
- Click **Display > Risks.** From the Filter list, select Application risk scorecard, Portfolio risk scorecard or Project risk scorecard.
- Select the Table view.

MationarFocal Point			Worl	ispaces   Horr	ie   Preferer	ices   Andrea	neiþ   Li
splay > Risks		IT Portfoli	o Management Template				
¥9.	H 🔳 🗷 🔆   E 🥔   🕷 🗞	💠 📔 🖹 🔛 Project Risk Scorecard	M				
Add	ID Title	* Projects	State Classification	Approach	Probability	Consequence	Priority
a Allocated Resources ☆ Applications ■ My Business Needs	000 sro party dependencies	ATM Accessibility Upgrades     Paperless Billing     Online Bill Payment	Open      Technical - Business     Needs	Watch	4 - Medium	10 - Very High	♠ 1 - High
Business Units     Strategic Objectives	007 Alignment with regulations	Schedule Flexible Work Schedule	🗆 Open 📥 Organizational - Funding	<ul> <li>Watch</li> </ul>	A - Medium	1 - Low	♠ 1 - High
Process	009 Budget Cuts	★ Identity Protection 3	🗋 Open 🚠 Organizational - Funding	🚺 Mitigate	A - Medium	🔲 7 - High	♦ 1 - High
My Projects     My Projects     My Project Radmap     My Draft Project Royachas     Project Rusiness Cases To Ar     Project Business Cases To Ar     Project Balance     Stopped Projects     Stoped Projects     Stoped Projects     No Area	011 Business culture	<ul> <li>♥ Automatic Card Replacement Service</li> <li>♦ Educational Affiliation Program</li> <li>★ Account Queries</li> </ul>	🗋 Open 📠 Technical	Watch	A - Medium	🖪 1 - Low	♠ 1 - High
	012 Business goals	<ul> <li>EDI Invoicing</li> <li>Educational Affiliation Program</li> </ul>	<ul> <li>Open 💑 Organizational - Resources</li> </ul>	Watch	1 - Low	🗧 7 - High	♠ 1 - High
	013 Business needs change	<ul> <li>☆ Identity Protection 2</li> <li>☆ Automatic Card Replacement Service</li> <li>☆ Identity Protection 3</li> </ul>	Open      Technical - Business     Needs	Accept	1 - Low	🖸 4 - Medium	♠ 1 - High
I Risks     I Use Cases	014 Business Needs Inflation	15 No Fee Savings Accounts	Open Las Technical - Business Needs	Accept	1 - Low	🛛 4 - Medium	+ 1 - High
rioritize isualize	015 Cannot reach consensus	Name Banking	Open -Select-	<ul> <li>Watch</li> </ul>	🗧 7 - High	10 - Very High	♠ 1 - High
Visualize Information	016 Changed scope	<ul> <li>♥ ATM Accessibility Upgrades</li> <li>♥ Online Shopping Security</li> <li>■ Online Shopping Security - further enhancements</li> </ul>	Open In Technical - Business Needs	🚺 Mitigate	🗧 7 - High	10 - Very High	♠ 1 - High
	018 Changing scope	% Consolidate Check Processing Systems ♥ Automated Phone Service	🗌 Open 📥 Organizational	Accept	A - Medium	🗖 1 - Low	♦ 1 - High
	Maximum number of elements per page	1 2 >> Export Risks Update Ris	a			Tree	View Sor

The risk scorecard shows a quick overview of the application, portfolio, or project risks. You can create filters to display only certain risks, such as open risks, risks of a certain portfolio, or high priority risks.

The risks in the screen capture are sorted by Title. To sort, click the column name to sort by.

## Section 14 – Managing business needs

This section explains how to complete these tasks:

- Submit business needs.
- Prioritize business needs.
- Plan business needs for a project.
- Monitor the progress of the implementation of business needs.

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### Section 14 – Managing business needs

business need, click Add > Business Need. After you add the business need, you can edit and track its progress in the	Add > Business Need	IT Portfolio Manageme Enter informatic View to add busines Title* Description*	ent Template  Provide Business Needs, then click OK.  Is needs.  Approval Gates for Loan Origination  Implement gates in the tool in order to better control approvals.
After you add the business need, you can edit and track its progress in the	Add       Business Need       Business Need       Business Need       Business Need       Strategic Objective       Protfolio       Project Proposal       Protfolio Risk       Display       Prioritze	Enter informatic View to add busines Title* Description*	In about the new Business Needs, then click OK. Is needs. Approval Gates for Loan Origination Implement gates in the tool in order to better control approvals.
After you add the business need, you can edit and track its progress in the	Add Business Need Strategic Objective Proficio Project Proposal Proficio Risk Display Prioritize	View to add busines Title* Description*	is needs.           Approval Gates for Loan Origination           Implement gates in the tool in order to better control approvals.
After you add the business need, you can edit and track its progress in the	Business Need Business Unit Sufficient Strategic Objective Proficio Project Proposal Portfolio Risk Display Prioritize	Title* Description*	Approval Gates for Loan Origination Implement gates in the tool in order to better control approvals.
After you add the business need, you can edit and track its progress in the	Business offic Strategic Objective Portfolio Project Proposal Portfolio Risk Display Prioritize	Description*	Implement gates in the tool in order to better control approvals.
My Proposed	Visualize Information	Benefit Statement	Increased security and reduced number of approved loan applications that should have been declined.
Business Needs view. To open this view, click Display > My Proposed		Attachments	Size limit 10 MB The total size of all files in a file attribute can not exceed 10 MB
Business Needs		Comments	
		OK Cance	Add Multiple Business Needs
	<b>11</b>		

All users can add business needs. If you add a business need, you can update its state, responsible person (PMO members), target start and end dates, estimated man hours, risk analysis, and other information. If several business needs are added at the same time (for example, if you receive business needs from customers and do not have the chance to review them all), you can use the Accepted state. For the business needs that you have reviewed, set the state to Accepted. When a business need is properly completed and the analysis is finished, change the state to Ready to be planned. When the PMO plans projects to run against a certain application, the PMO can choose from the list of business needs in the Ready to be planned state.

To add a business need, enter the following information:

- Title
- Description
- **Benefit Statement** Describe the benefits that the business need would create if it is implemented
- Attachments Attach any files, illustrations, or documents that are related to the business need
- Comments Enter any additional comments to describe the business need
- Application Select any application against which the business need is raised
- **Projects** Select any projects that the business need is related to
- **Related to Business Needs** Select any other existing business needs that are related to the business need

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## Section 14 – Managing business needs



All users can access the Display > My Business Needs view.

## Section 14 – Managing business needs

	Prioritize > Business Needs									
business	%	Դ 🕄 🗏	≝   <b>1</b>   <b>3</b>							
needs, click	Add Display		Which busi	ness ne	ed is	most im	portant? 🗯			
Prioritize >	Prioritize Business Needs				• ~	-1 - 1				
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Needs		Title	Approval Gates for Loan Origination			Title	Change fund			
		Description	Implement gates in the tool in order to better cont approvals.	rol		Description	Description			
		Benefit Statement	Increased security and reduced number of approv applications that should have been declined.	ed loan		Benefit Statement	Statement Attachments			
		Attachments	dependency.gif			Comments			1	
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Only the PMO can prioritize business needs. The business needs must be in the Ready to be planned state before they can be prioritized. The business needs are prioritized against the Importance criterion, but you can add more criteria for the comparison.

## Section 14 – Managing business needs

- To see the result of the prioritization of the business needs, click Visualize > Business Needs.
- The PMO uses this information as they plan the scope of the project.





The Risk Index (Risk) and the Estimated Man Hours (Estimated Cost) are included in the result chart so that you can record those aspects of the business needs.

To save the priority of the business needs:

- 1. Right-click in the chart and select Rank The Elements.
- 2. From the Attribute drop-down list, select **Priority**.
- 3. Select the ranking scheme.

### Section 14 – Managing business needs



When you view the Display > Business Needs view with the Ready to be planned filter, you can see the business needs that can become part of the scope of a project. If you group the business needs by application (see step 1-2), you can see all business needs that have been raised so far against a certain application. Then, you can find business needs to add to a project that, for example, make improvements to a certain application.

To plan a business need to a project, in the Projects attribute of the business need, create a link to the project and change the state to Planned. Then update the target start and end dates.

## Section 15 – Viewing use cases

This section explains how to complete these tasks:

- View the use cases that can be performed in the template
- View the use cases per role



Use cases are grouped by type; for example, Project, Portfolio, or Risk. For each use case, you can see a brief description, instructions to complete the use case, the actors that are involved, the start and end states (if any), and the views that are used to complete the use case. Use this view to find out which view to use for a use case.

## Section 16 – Integration with estimation tools

This section explains the following concept:

• What value estimation tools can provide to the process of estimating projects

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## Section 16 – Integration with estimation tools

- You can integrate Rational Focal Point with estimation vendor tools to do high quality estimations for a project.
- To complete estimations, you can use the following set of hidden attributes on the project level in the IT portfolio management template:
  - Probability of Duration (months) a matrix in graphical form
  - Probability of Labor Cost a matrix in graphical form
  - Probability of Peak Staffing a matrix in graphical form
  - Estimate Detail a link to an external estimation vendor tool
  - Needed Certainty the percentage of the level of certainty needed for the estimations

1.9 1.1



For a list of vendors that integrate with Rational Focal Point, see <a href="http://www.ibm.com/developerworks/rational/downloads/ready.html">http://www.ibm.com/developerworks/rational/downloads/ready.html</a>

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To assess whether to execute a project, you must understand the time and effort required to complete the project, assuming that the effort hours of a team is the major factor in the cost of the project. You can use the estimation tools to consider these factors. The estimation tools provide more than a number; they provide a probability distribution. For example: There is a 20% chance that the project will take 14 months or less, and a 90% chance that it will be done within 32 months.

The estimation tools can also provide multiple estimates based on the peak team size. For example, if X many people work on the project, how long it will take to complete? If Y more people are added, how will the schedule change?

By using the estimation tools, the steering committee can better understand the cost of the project and the uncertainty associated with the cost. The relationship between team size and duration is not simple; doubling the team size does not halve the duration.

You can use the estimation tools to make multiple estimates that are difficult to compute manually. The estimation tools transfer multiple estimates for a given project into the Probability matrices in the workspace, with each estimate being a probability distribution of duration, labor cost, and peak staffing.

# Appendix

Appendix - Pr	oftware Group   Rational software
	de Portfolio Management Process - Page 1
	Regett     Duptate       Regett     Duptate       Business Need     Duptate       Business Need     Duptate       Duptate     Duptate
	[Yes] [No] Finaltze Buseness Case Finalized
	Ready for Prioritize
L., iii	

The project process in detail, from Draft to Business Case Finalized or Ready for Prioritize.



The project process in detail, from Business Case Finalized to Ready for Implementation Approval.

## Appendix - Project process



The project process in detail, from Ready for Implementation Approval to Delivered.

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