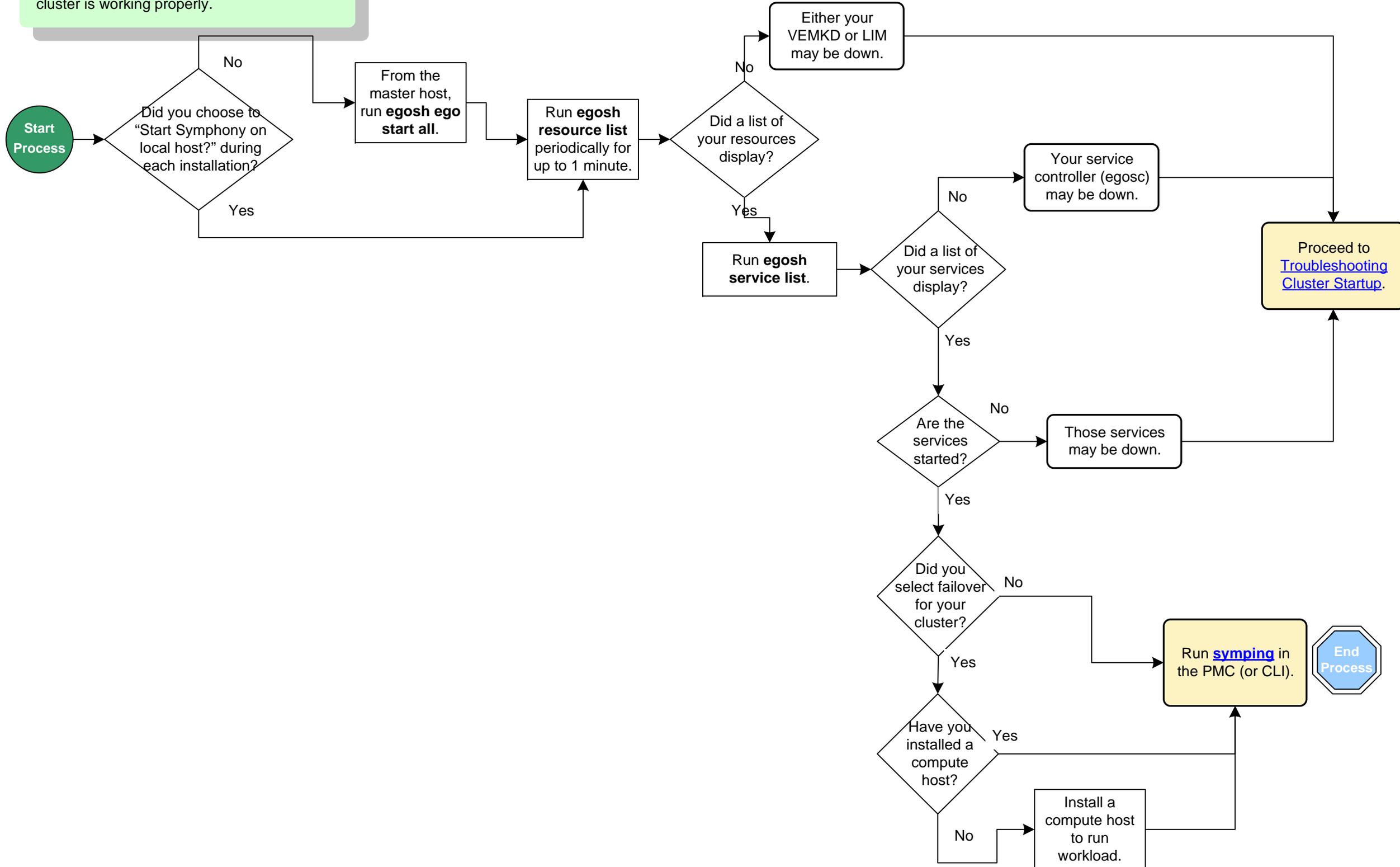
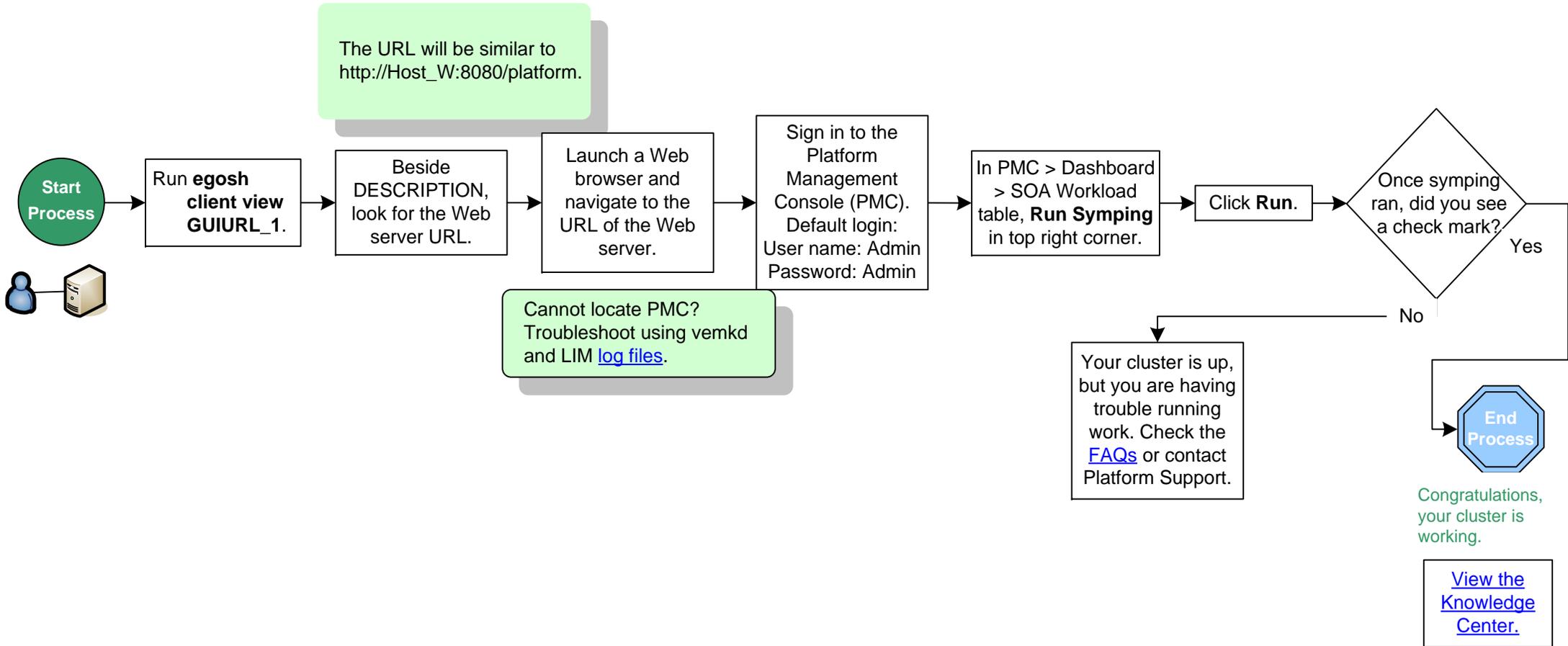


# Cluster Verification

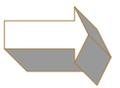
You have successfully installed on at least one host. Now you want to make sure your cluster is working properly.



# Test Symphony Workload with Symping Using PMC



# 1. Troubleshooting Cluster Start Up



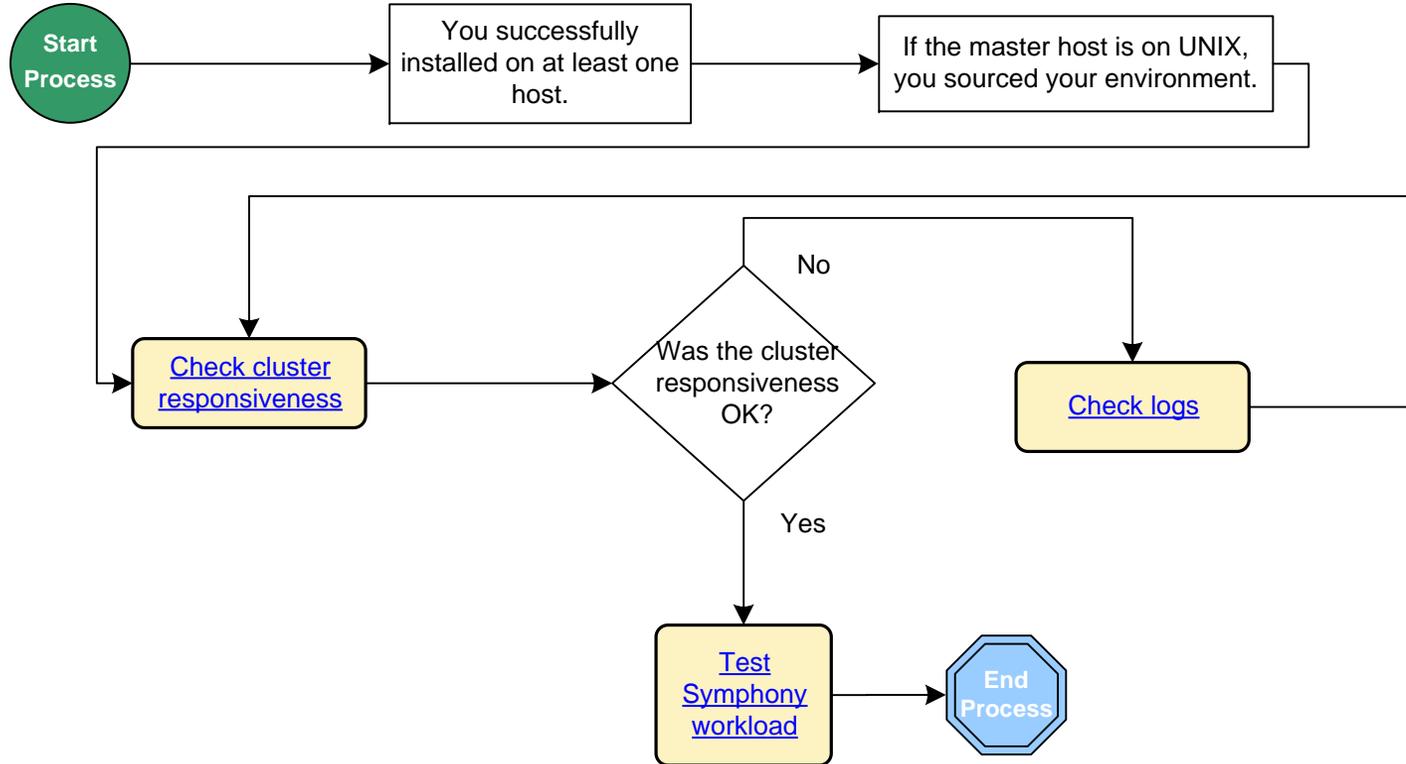
This is a high-level overview of the troubleshooting process. Click an [underlined](#) task item within the process flow to link to more detailed information.

Directions: Follow the ordered flow from one lane to the next.



Note  
All management hosts, including the master, must be homogeneous (all Windows or all Linux).

Action on Master Host



# 2. Check Cluster Responsiveness



Directions: Follow the ordered flow.

Action on Master Host



Start Process

Run **egosh ego start all.**

Run **egosh resource list** periodically for up to 1 minute.

Did a list of your resources display?

No

Your VEMKD or LIM may be down.

Your service controller (egosc) may be down.

[Check log files](#)

Yes

Run **egosh service list** periodically for up to 1 minute.

Did a list of your services display?

No

Your PEM may be down.

The services not started may be down.

Yes

Are the services started?

None

Some

Yes

End Process

Can now [test Symphony workload](#)

The following services must be started, at a minimum: SD, RS, WEBGUI.

## Daemon Startup Process

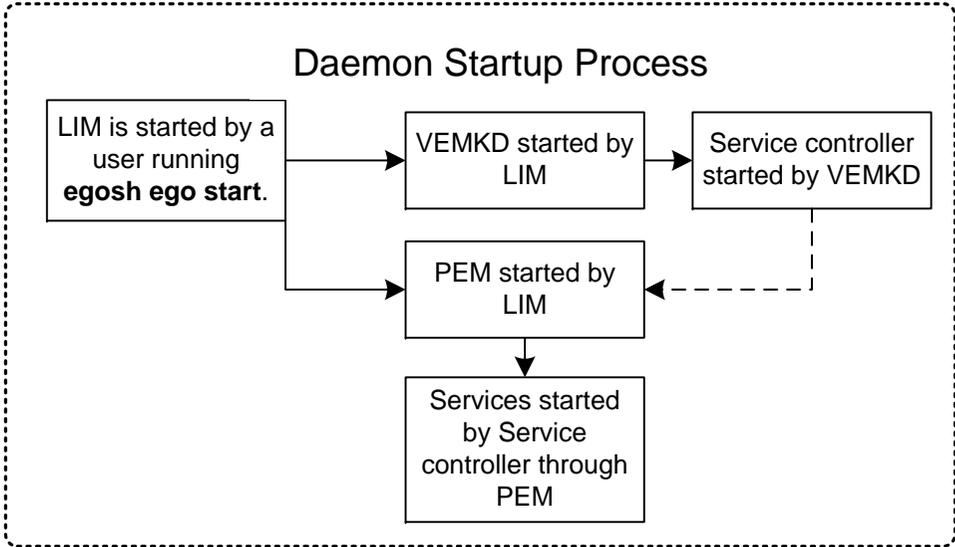
LIM is started by a user running **egosh ego start.**

VEMKD started by LIM

Service controller started by VEMKD

PEM started by LIM

Services started by Service controller through PEM

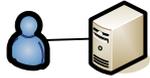


# 3. Check Log Files



Directions: Follow the ordered flow.

Action on Master Host



Start Process

Check log files for more detailed information about the error that is preventing you from starting your cluster properly.



Note

Most common errors can be fixed in `ego.conf`, the main configuration file.  
**Default locations of `ego.conf`:**  
Linux: `EGO_TOP/kernel/conf/ego.conf`  
Windows: `EGO_TOP\kernel\conf\ego.conf`

If you do not restart the cluster, your changes do not take effect.

Make the change indicated by the log message.

Run **egosh ego restart all.**

End Process

Return to [Check cluster responsiveness](#) to see if the changes you made fixed the problem.

## Default Locations of Frequently Needed Log Files

Linux

EGOSC: `EGO_TOP/eservice/esc/log/esc.log.host_name`

LIM: `EGO_TOP/kernel/log/lim.log.host_name`

VEMKD: `EGO_TOP/kernel/log/vemkd.log.host_name`

PEM: `EGO_TOP/kernel/log/pem.log.host_name`

RS: `EGO_TOP/eservice/rs/log/rs.host_name.log`

SD: `EGO_TOP/soam/logs/sd.host_name.log`

WEBGUI: `EGO_TOP/gui/logs/wsm.log.host_name`

Windows

EGOSC: `EGO_TOP\eservice\esc\log\esc.log.host_name.txt`

LIM: `EGO_TOP\kernel\log\lim.log.host_name.txt`

VEMKD: `EGO_TOP\kernel\log\vemkd.log.host_name.txt`

PEM: `EGO_TOP\kernel\log\pem.log.host_name.txt`

RS: `EGO_TOP\eservice\rs\log\rs.host_name.log.txt`

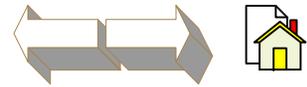
SD: `EGO_TOP\soam\logs\sd.host_name.log.txt`

WEBGUI: `EGO_TOP\gui\logs\wsm.log.host_name.txt`

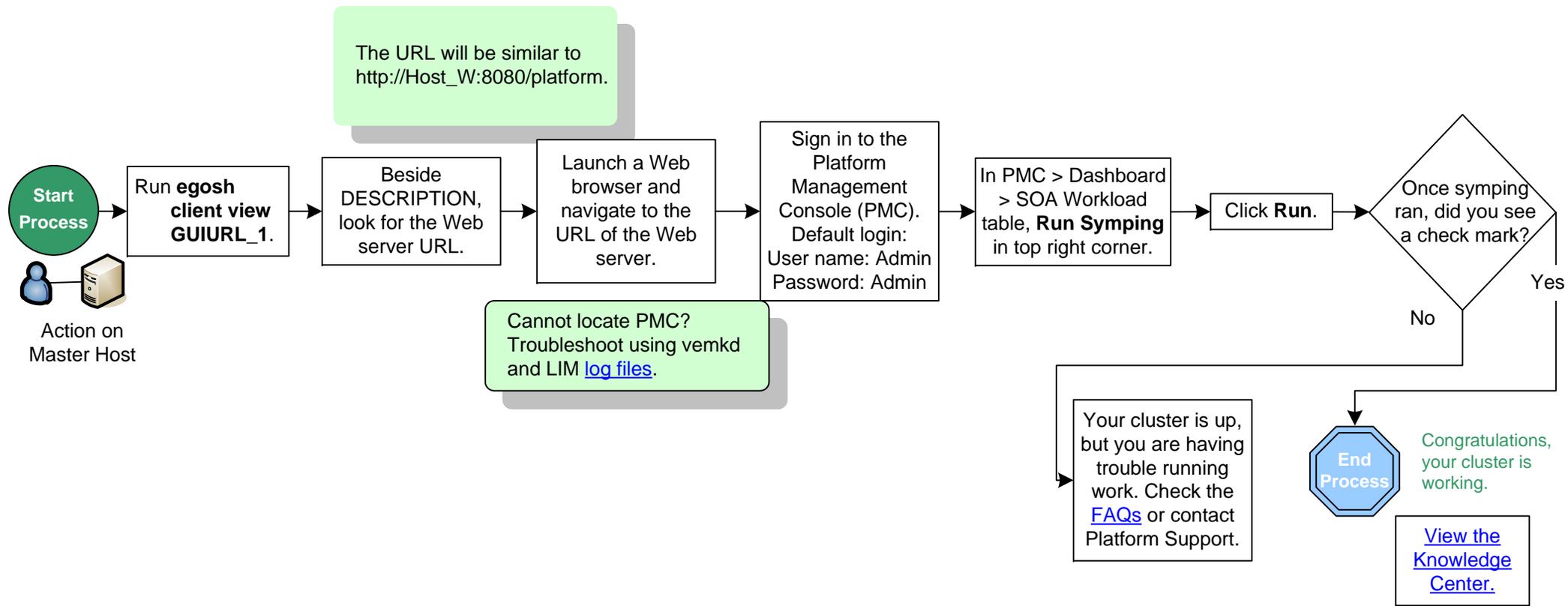
Hint: Look at the last few entries of the log to see if there are errors.

Can't find your logs?  
Your log files may be in another location if you have set shared.

## 4. Test Symphony Workload with Symping Using PMC



Directions: Follow the ordered flow.



# Platform Cluster Startup Troubleshooting: Help with this document



## Welcome

You have installed and want to troubleshoot any startup errors you may be encountering.

The following troubleshooting flow guides you through the process of identifying the errors that are occurring, finding more detailed information about the errors in log files, and testing your cluster again.

## Going with the flow

In the provided flow charts, you are asked to follow a series of tasks and answer questions. For example, was the test successful? Answer the question and follow the appropriate flow to the end of each process.

## Heed lane changes

Each flow chart has various troubleshooting lanes. The first (top) lane on most charts contains prerequisite items to complete before proceeding. The subsequent lanes contain the steps required to troubleshoot. You must follow the ordered flow.

## Navigation aids

Begin each process from the green **Start** symbol at the top of the flow chart, and simply follow the arrows to the subsequent end-point (the red **Stop** symbol). Underlined items indicate a link to a page with more detailed process information.

**HTML:** Some browsers allow you to pan and zoom into parts of this document from the sidebar, to search for keywords, and to jump to book-marked pages. Other browsers require you to use scroll bars to move around the pages. You can take advantage of the built-in navigation links provided in this document, or you can use those on your browser navigation bar.

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