



Nastel Navigator

Express Edition

Install and initial setup

March 2020

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Step 1: Register

Visit www.nastel.com and register for Nastel Navigator Express edition. If you need assistance, you can request it there as well.

Once completed, use the provided link to download the installation materials and this documentation.

Step 2: Prerequisites

- A Linux 64-bit operating system
- A minimum of 2 virtual CPUs
- At least 8 GB of RAM
- At least 10 GB of free space
- Ensure that a native PostgreSQL is not running. This installation uses its own PostgreSQL database implementation.
- A queue manager to navigate must be running.
- A configured server connection channel that is accessible from the server where the Nastel Navigator components are installed. The channel can already be used for other management purposes, such as the IBM MQ Explorer.

Step 3: Create the Nastel Navigator Environment

- 1) Navigate to where you want to install and run the software. It can be any location on your server, but it is recommended to install it in `/opt` for production deployments.
- 2) Untar the software to a folder on your system by running the following command using the name of the file that you downloaded.

```
> tar -zxvf ../NavigatorExpress_xxx.tar.Z
```

- 3) Switch to the following directory. The startup scripts are located here.

```
> cd nastel/sbin
```

- 4) Run the startup script:

```
> ./start.sh
```

- 5) Press **Enter** to accept the licensing terms (see **licensing.htm** for details). Then you will be asked to verify the location for Nastel Navigator. Press **Enter** if correct, otherwise enter a new path.
- 6) When the script is finished running you will receive a message confirming that the path is set. It will also instruct you to rerun the start script with the **all** keyword to start all services. Do this by running the following command:

```
> ./start.sh all
```

A screen similar to the following will appear alerting you that the services have been started.

```
~/demo/nastel/sbin > ./start.sh all

Trying To Start ALL Nastel Installed Services
Using [ /home/ec2-user/demo/nastel ] As Product Installation PATH.

Thu Mar 19 19:23:44 UTC 2020
  [Starting AP Domain Server ...]
  [Domain Service Successfully, ..... STARTED]
Thu Mar 19 19:23:49 UTC 2020
  Starting PostgreSQL Server ...
waiting for server to start.... done
server started
  [PostgreSQL Service Successfully, .. STARTED]
Thu Mar 19 19:23:52 UTC 2020
  [Starting AP CEP Server ...]
  [CEP Service Successfully, ..... STARTED]
Thu Mar 19 19:24:00 UTC 2020
  [Starting AutoPilot WEB Server ...]
  [WEB Service Successfully, ..... STARTED]
Thu Mar 19 19:24:03 UTC 2020
  [Starting APWMQ Connection Manager ...]
  [CM Service Successfully, ..... STARTED]
~/demo/nastel/sbin > █
```

- 7) A similar stop script and show status script are provided.
- 8) Enter the scripts without parameters to see valid options.

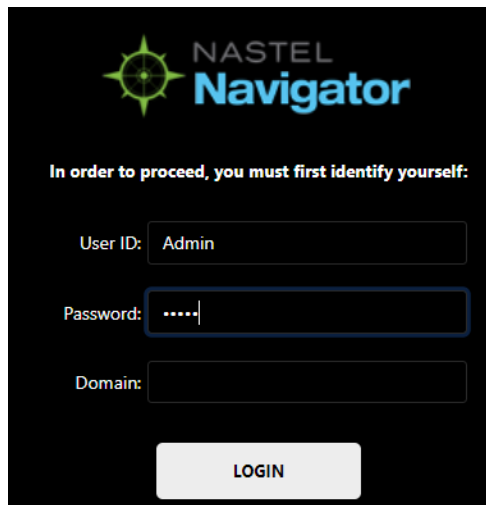
Step 4: Configure Initial Environment

- 1) Open a browser to launch the web GUI. Enter the following URL, be sure to update *myserver* with your server's IP address.

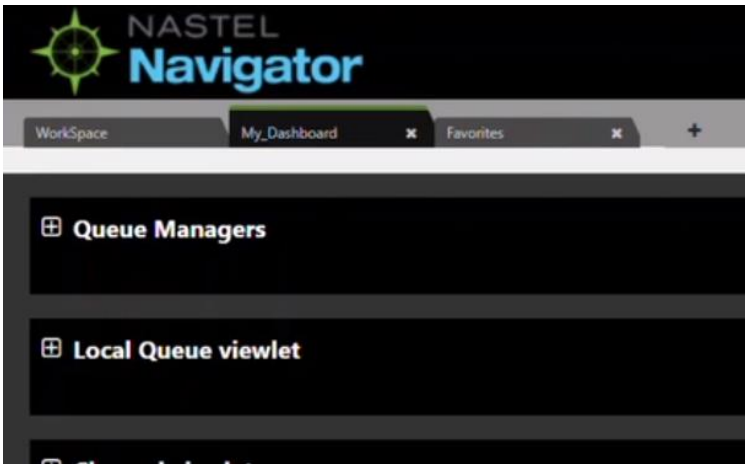
<http://myserver:8080/navigator>

- 2) The login page will appear. Enter the following credentials:

User ID: Admin
Password: admin

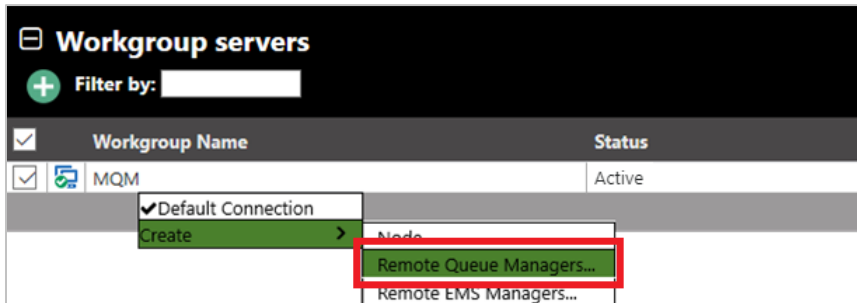


- 3) You will be presented with the dashboards *WorkSpace*, *My_Dashboard* and *Favorites*.



My_Dashboard is the default dashboard, but if you expand its viewlets you will notice that there is no data. You will need to add a queue manager to the *WorkSpace* dashboard, proceed to the next step for instructions on how to do this.

- 4) On the *WorkSpace* dashboard, click the box next to the workspace and select **Create > Remote Queue Manager**.



The *Remote Queue Manager Connections* screen opens. Add one or more queue managers by clicking **Add**.

The screenshot shows a dialog box titled "Remote Queue Manager Connections". It features a table on the left with columns for "#", a checked checkbox, "Instance Name", and "Queue Manager Name". To the right is a table of attributes with columns for "Attribute Name" and "Attribute Value". The attributes listed are Instance Name, Queue Manager Name, Connection Name, Channel Name, Command Queue, Conversion, SSL Key Repository, SSL Crypto Hardware, and SSL Cipher Specification, all with a value of "-". At the bottom left, there are three buttons: "Add" (highlighted with a red box), "Modify", and "Delete". At the bottom right, there are "Ok" and "Cancel" buttons.

#	<input checked="" type="checkbox"/>	Instance Name	Queue Manager Name
---	-------------------------------------	---------------	--------------------

Attribute Name	Attribute Value
Instance Name	-
Queue Manager Name	-
Connection Name	-
Channel Name	-
Command Queue	-
Conversion	-
SSL Key Repository	-
SSL Crypto Hardware	-
SSL Cipher Specification	-

Add **Modify** **Delete**

Ok **Cancel**

Enter the details for the queue manager on the **General** tab. Enter the **User ID** and **Password** if authentication is required.

Add Queue Manager Connection ? x

General

Communication

SSL

Connection Manager Instance name:
REMOTE_QMGRS

Queue Manager name:
QM3

Project name:
DEFAULT

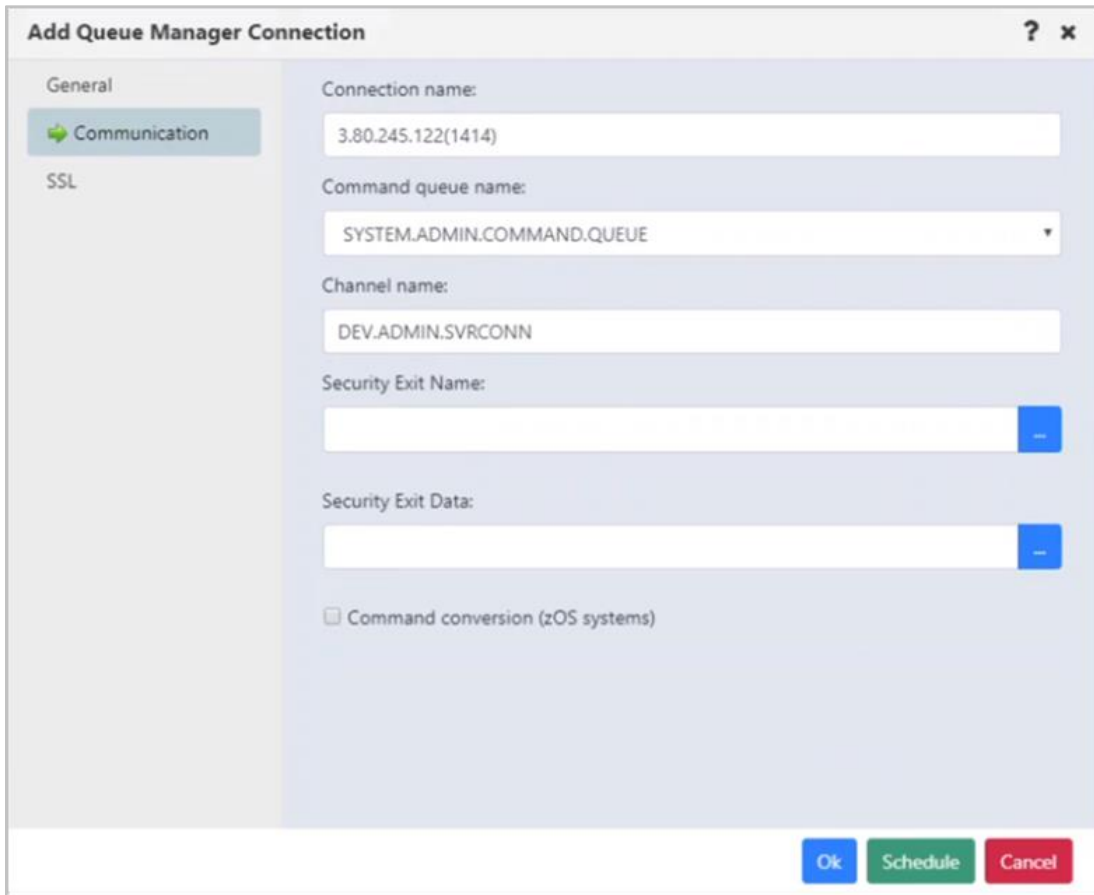
Specify a user name and password to connect to the queue manager using security parameters (available in WMQ v.8.0 and later) or leave it empty if authentication is not required:

User ID:
admin

Password:

Ok Schedule Cancel

On the **Communication** and **SSL** tabs enter connection and channel information for the queue manager's particular instance. Click **OK** to close this dialog.

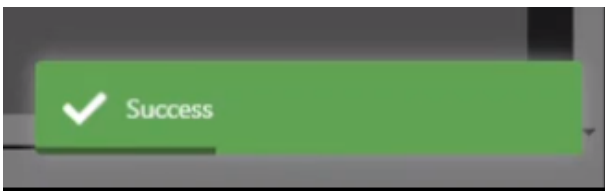


The screenshot shows a dialog box titled "Add Queue Manager Connection" with a sidebar on the left containing "General", "Communication", and "SSL" tabs. The "Communication" tab is active. The main area contains the following fields and controls:

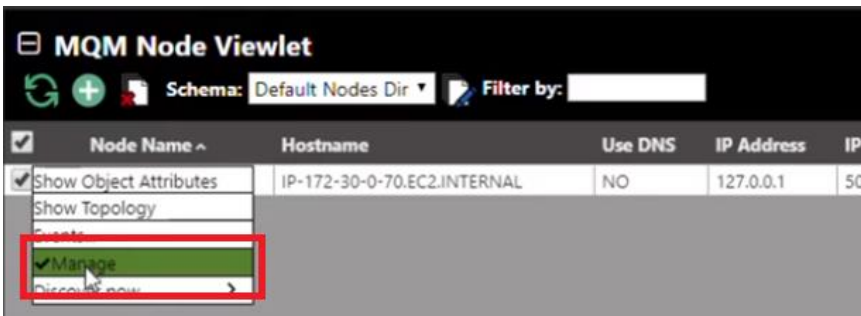
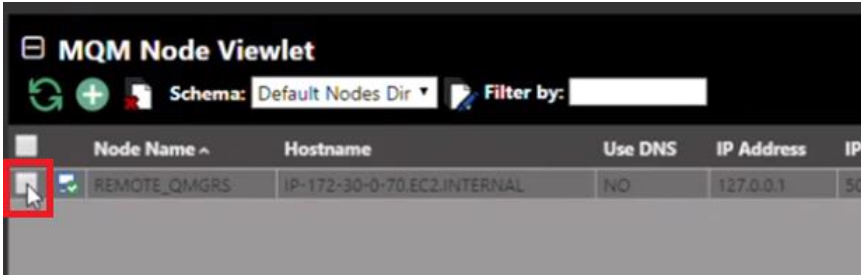
- Connection name: 3.80.245.122(1414)
- Command queue name: SYSTEM.ADMIN.COMMAND.QUEUE
- Channel name: DEV.ADMIN.SVRCONN
- Security Exit Name: (empty field with a blue dropdown arrow)
- Security Exit Data: (empty field with a blue dropdown arrow)
- Command conversion (zOS systems)

At the bottom right, there are three buttons: "Ok" (blue), "Schedule" (green), and "Cancel" (red).

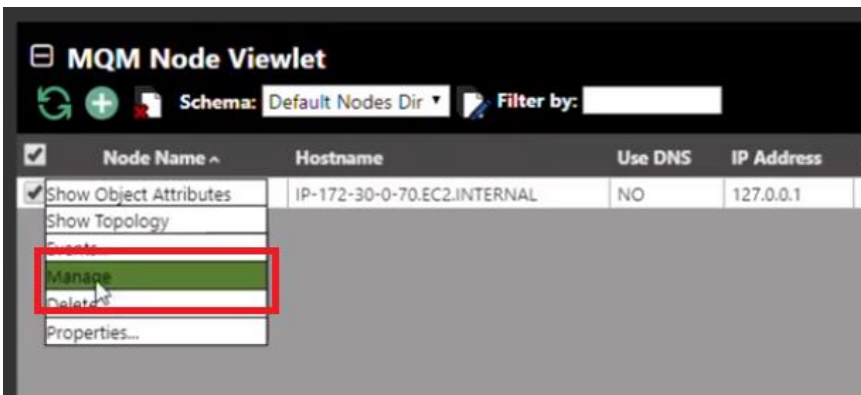
Once completed adding all desired queue managers, press **OK** to close the *Remote queue Manager Connections* window. You will see a green success message on the bottom right corner of the screen appear.



- 5) Expedite the discovery process by un-managing and then re-managing the queue managers. Do this by selecting **REMOTE_QMGRS** within the *MQM Node Viewlet*, then select **Manage** (you will notice a checkmark next to this option).

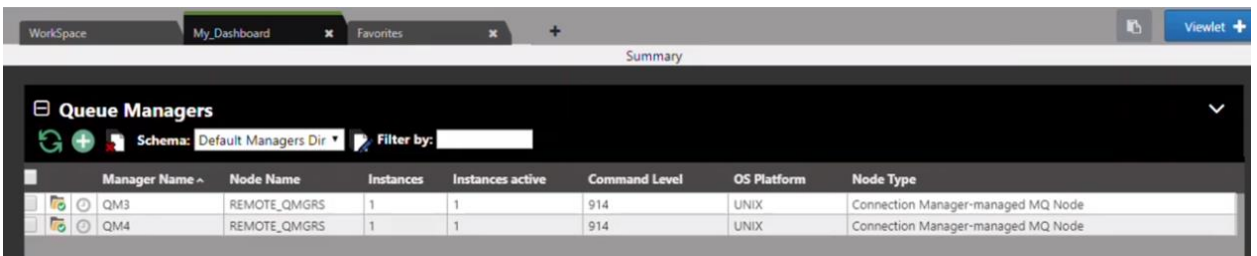


Reselect **REMOTE_QMGRS** and click **Manage** again.




This will trigger a complete discovery. You are now done with adding queue managers.

- Expand the *Queue Managers* viewlet back on *My_Dashboard*. The queue managers you added from the above steps will display (in this example, queue managers QM3 and QM4). You will see some basic details like **Command Level**, **Node Type** and so on.



What's Next?

For additional videos and online help, click on the **Help** button  located at the top-right of your screen.

Having other issues, contact us at <https://www.nastel.com/company/contact-us/> or via live chat at the original registration link.

Happy Navigating!