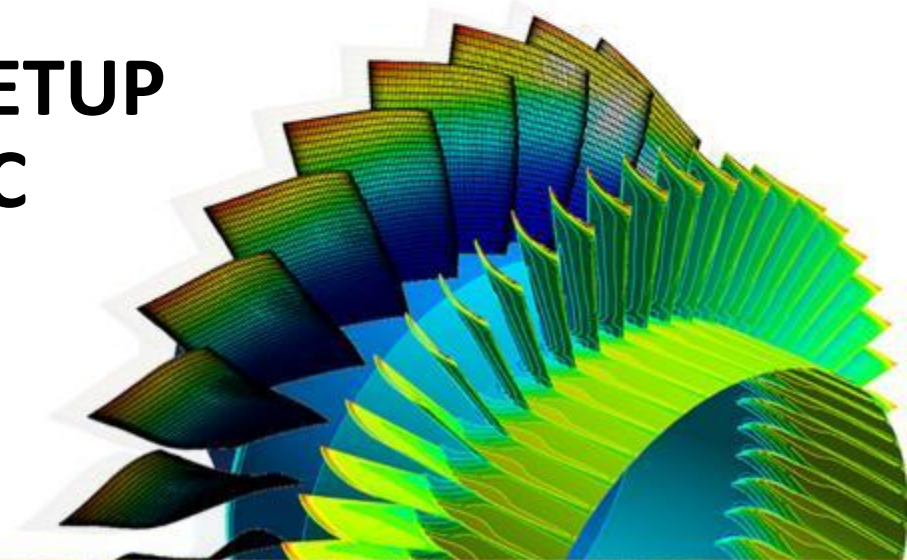


The ANSYS logo, featuring the word "ANSYS" in a bold, sans-serif font. The "AN" is white and the "SYS" is gold, all set against a black rectangular background.

HOW-TO

ANSYS R18 RSM CLIENT SETUP Windows 2012 R2 HPC

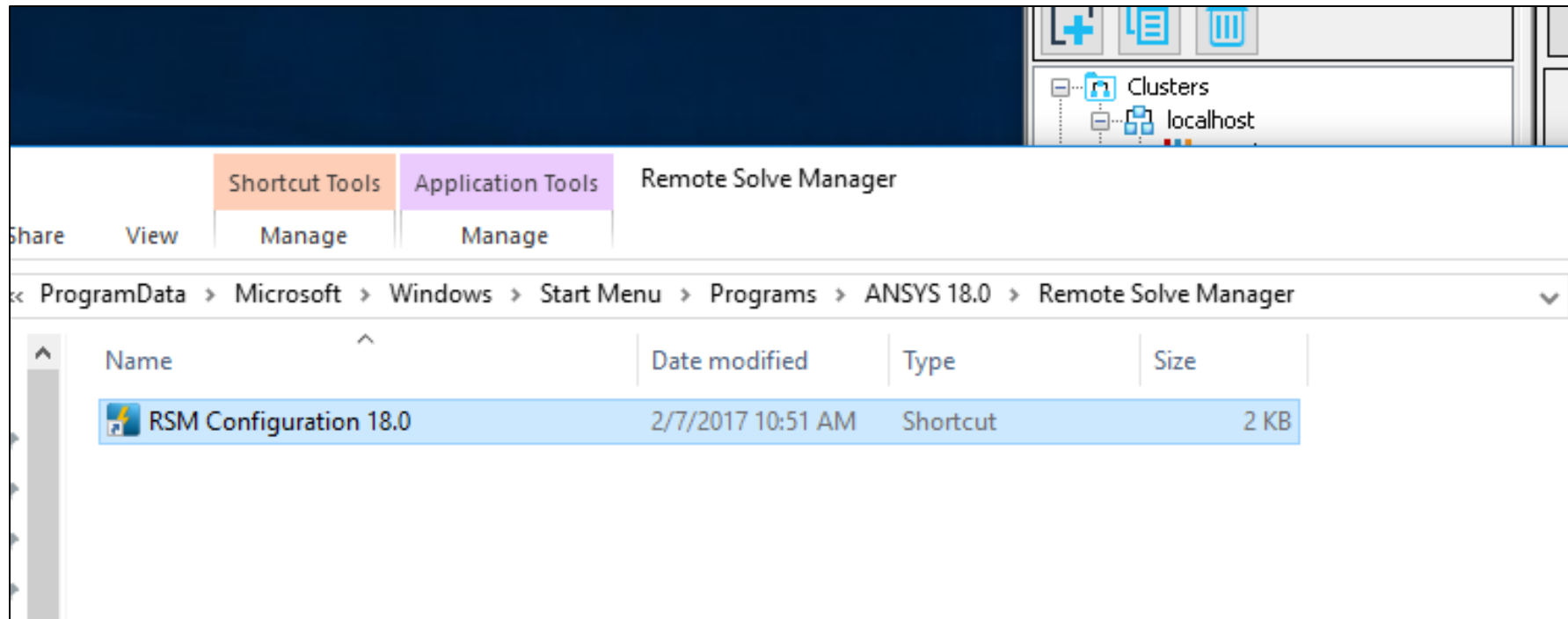
David Mastel, Manager I.T., HPC @ PADT, Inc.



ANSYS R18 RSM CLIENT SETUP

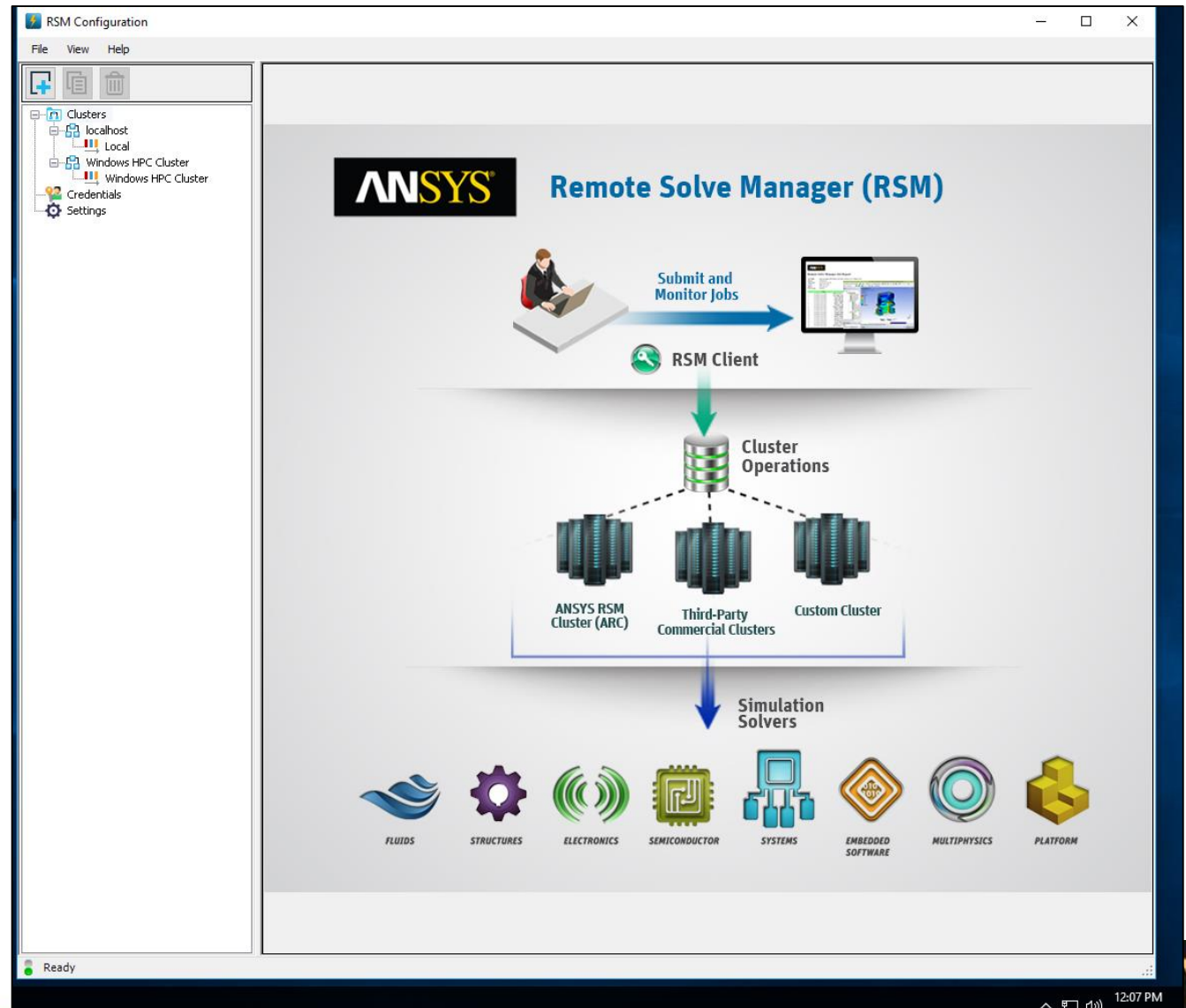
Windows 2012 R2 HPC

- Open the RSM Configuration 18.0 program



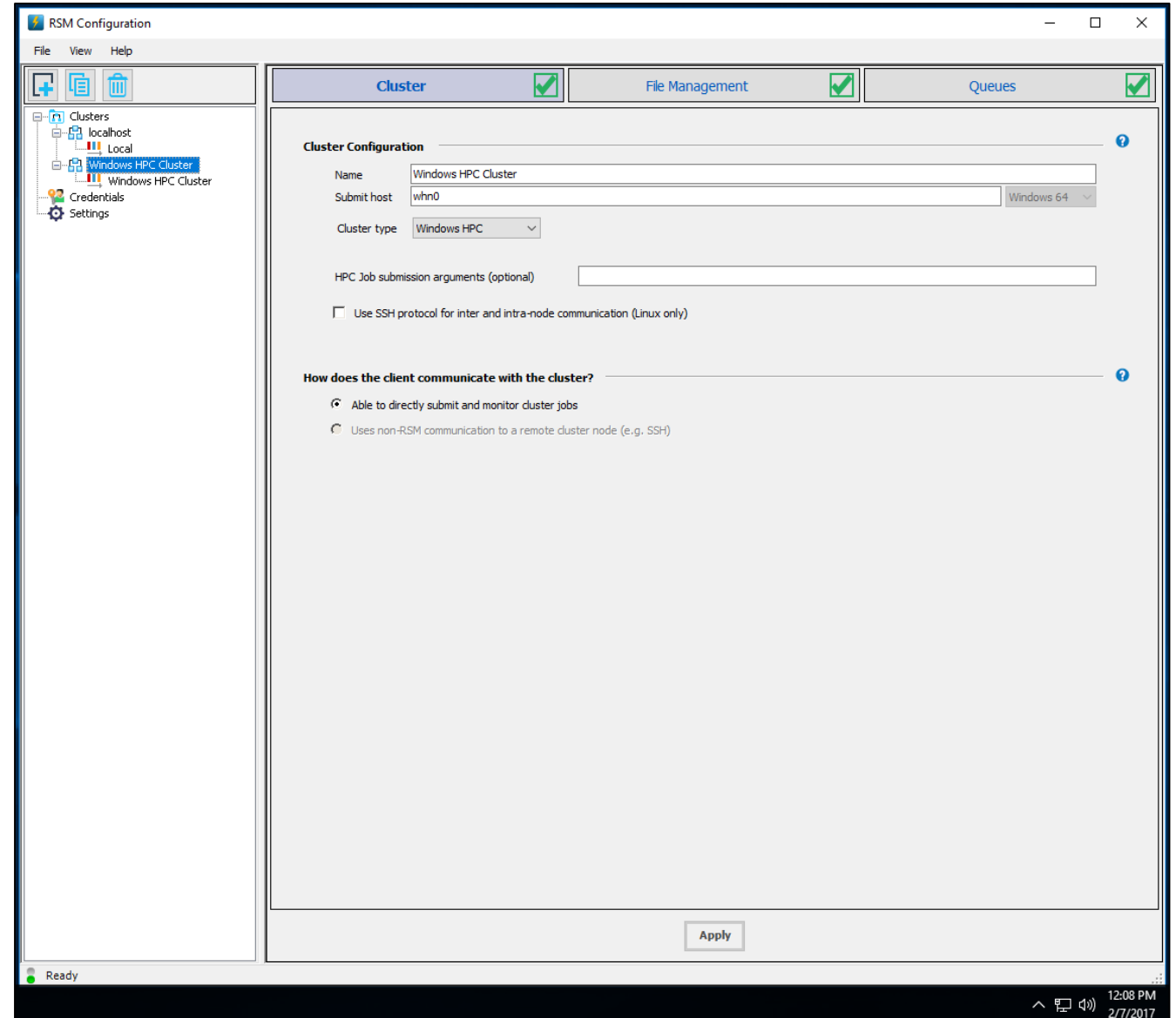
ANSYS RSM 18.0 Opening screen

- Click the + sign to add the Windows Cluster
- ** If at some point a Windows Firewall dialogue window prompts you for attention. Please make sure to allow the firewall exceptions indicated. These exceptions are needed so that your ANSYS RSM client will work properly.



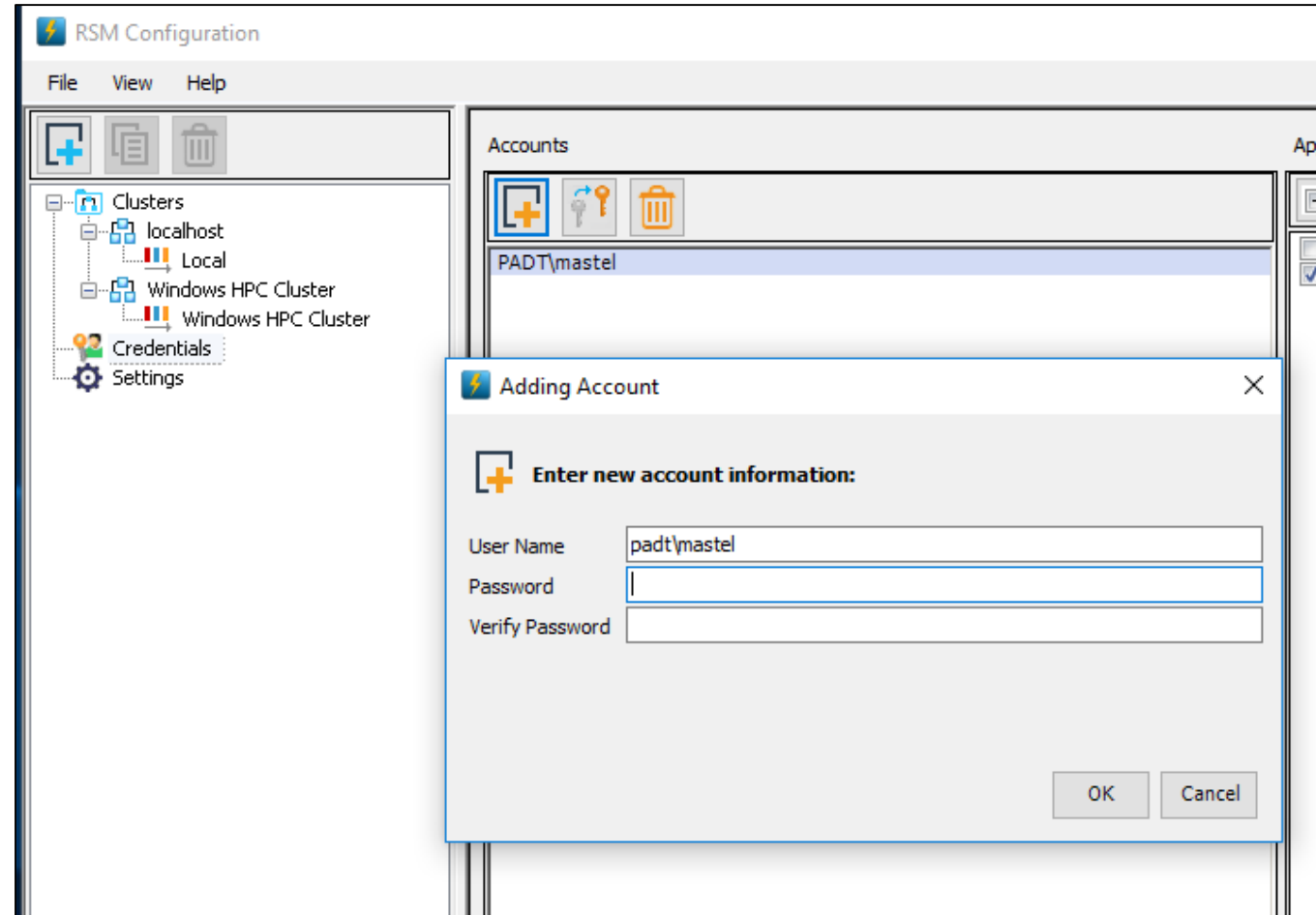
Define the Windows Cluster

- **Name:**
 - Any name you want to define
- **Submit Host**
 - PADT CUBE Head Node: whn0
- **Cluster Type**
 - Windows HPC
- **Uncheck Use SSH protocol**



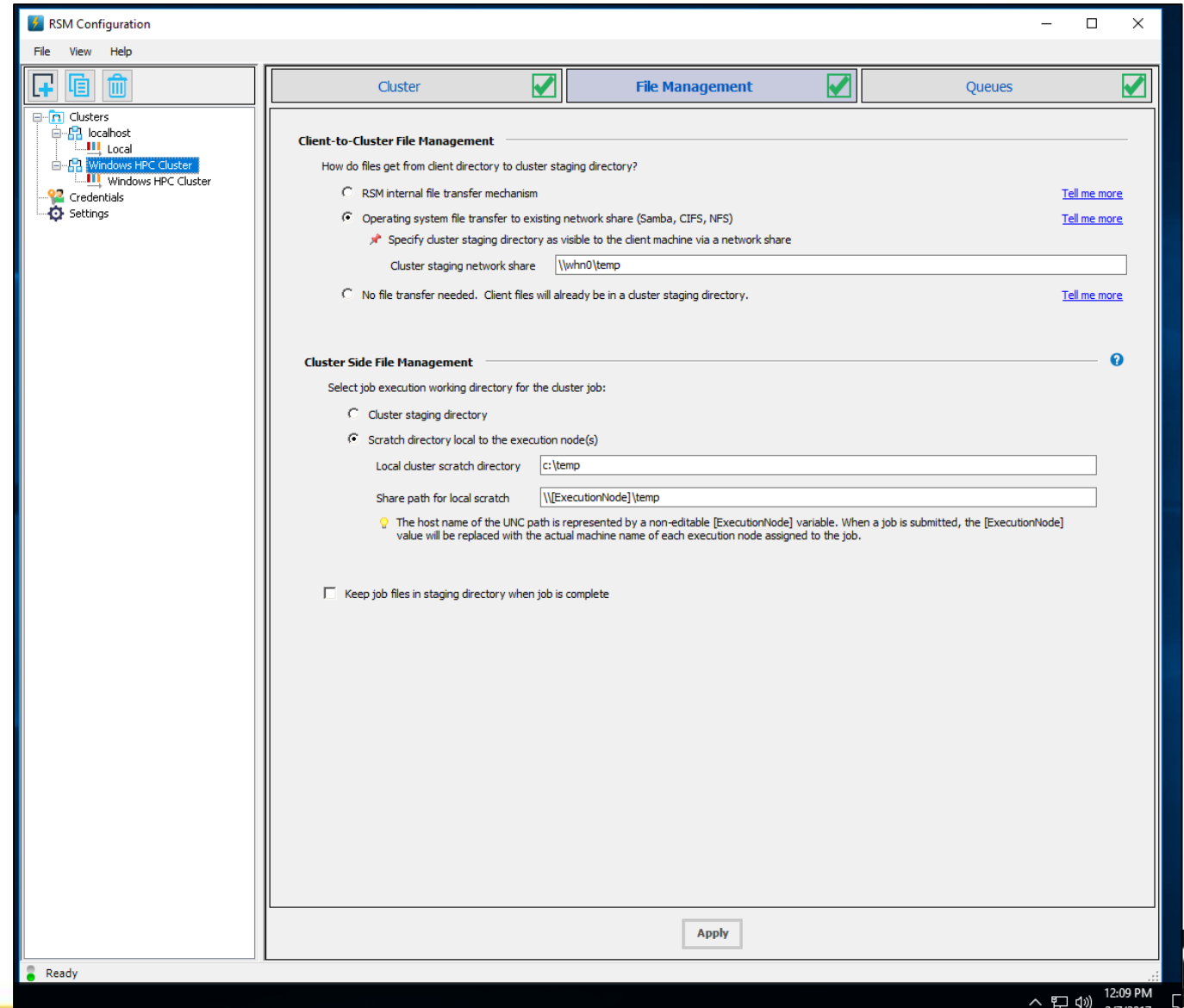
Windows Domain Credentials

- The Windows HPC Cluster is joined to our domain for credential checking.
 - File Shares
 - Network logins, etc.
- When or if prompted enter in your credentials you would use for logging into the PADT domain.
- User Name:
 - padt\[your domain login]
- Password: [your domain password]



Define File Management

- Operating System File Transfer
- Scratch directory



Define the Queues

- Click + to add a new queue.
- Or edit existing.
 - Select enabled
 - RSM Queue name
 - Cluster Queue
 - Enter localhost

The screenshot shows the RSM Configuration application window. The left sidebar contains a tree view with 'Clusters' expanded, showing 'localhost' and 'Windows HPC Cluster'. The main area is titled 'Queues of the cluster 'Windows HPC Cluster'' and contains a table with the following data:

Enabled	RSM Queue	Cluster Queue	Test	Status	Report
<input checked="" type="checkbox"/>	Windows HPC Cluster	localhost	Submit	?	

At the bottom of the main area is an 'Apply' button. The status bar at the bottom left shows 'Ready' and the bottom right shows the time '12:09 PM'.

Test The Setup

- Under Test click Submit
- Click Report
 - ProTip
 - Right-Click on the text
 - Select “View Debug Messages”

The screenshot displays the RSM Configuration application interface. The top navigation bar includes 'Cluster', 'File Management', and 'Queues', all with green checkmarks. The left sidebar shows a tree view with 'Clusters' expanded to show 'localhost', 'Local', and two 'Windows HPC Cluster' entries. The main area shows the 'Queues of the cluster 'Windows HPC Cluster'' section with a table:

Enabled	RSM Queue	Cluster Queue	Test	Status	Report
<input checked="" type="checkbox"/>	Windows HPC Cluster	localhost	Submit	✓	

Below the table, a second window titled 'RSM Configuration' shows a job submission log for the 'Windows HPC Cluster' queue. The log contains the following text:

```
Job submitted to Queue "Windows HPC Cluster"
551 File size: 0 bytes, transferred: 0 bytes.
552 Downloading file: C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/stderr.rsmout
553 Copying //whn0/temp/41j2yega.2hr/stderr.rsmout to C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/stderr.rs
554 File size: 0 bytes, transferred: 0 bytes.
555 Downloading file: C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/stdout.live
556 Copying //whn0/temp/41j2yega.2hr/stdout.live to C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/stdout.live
557 File size: 8823 bytes, transferred: 8823 bytes.
558 Downloading file: C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/stdout.rsmout
559 Copying //whn0/temp/41j2yega.2hr/stdout.rsmout to C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/stdout.rs
560 File size: 658 bytes, transferred: 658 bytes.
561 Downloading file: C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/test.out
562 Copying //whn0/temp/41j2yega.2hr/test.out to C:/Users/mastel.PADT/AppData/Local/Temp/RsmConfigTest/mlc2nj15.hw1/test.out
563 File size: 776 bytes, transferred: 776 bytes.
564 10.27 KB, .17 sec (59.78 KB/sec)
565 Deleted working directory \\whn0\temp\41j2yega.2hr on Crowned
```


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Monitoring Jobs Using ANSYS RSM 18.0

Posted on February 9, 2017, by: Ted Harris

**PERVASIVE ENGINEERING
SIMULATION IS HERE** **RSM 18.0**

If you are an ANSYS RSM (Remote Solve Manager) user, you'll find some changes in version 18.0. Most of the changes, which are improvements to the installation and configuration process, are under the hood from a user standpoint. One key change for users, though, is how you monitor a running job. This short entry shows how to do it in version 18.0. Rather than bring up the RSM monitor window from the Start menu as was done in prior version, in 18.0 we launch the RSM job monitor directly from the Workbench window, by clicking on Jobs > Open Job Monitor... as shown here:

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