

Getting Started with SAP Sybase IQ Column Store Analytics Server

Lesson 5: Monitoring SAP Sybase IQ with Sybase Control Center



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1. Introduction

Once you have your database up and running, there are administrative tasks that you need to know how to perform in order to insure the health – responsiveness and longevity - of your system. This lesson is going to focus on Sybase Control Center – a graphical monitoring and administration tool for all types of Sybase servers, including SAP Sybase IQ.



Monitoring the database

2. Monitoring with Sybase Control Center

There are different ways to view what is happening in your SAP Sybase IQ environment

- Examining the SAP Sybase IQ message file and SQL log files.
- Invoking system stored procedures and command line tools such as `sp_iqsysmon` (monitors buffer cache usage, memory, threads, locks, I/O functions, and CPU utilization) and `sp_iqworkmon` (displays detailed information about usage of tables, columns and indexes for queries).
- Graphical monitoring with Sybase Control Center:
 - Sybase Control Center is a web-based monitoring tool for Sybase ASE, IQ and Replication Server

We will focus on monitoring with Sybase Control Center in this lesson.

2.1 *Connecting to Sybase Control Center*

We will connect to SCC in the same way as done in Lesson 2, Product Installation and Database Creation.

Begin Sybase Control Center by entering the following command in a terminal:

```
$SYBASE/SCC-3_2/bin/scc.sh
```

Open up a web browser, and enter the following URL:

```
https://<scc_server_hostname>:8283/scc
```

Accept the security risks and enter the user name and password (sccadmin, and password from installation as before). Click “Login”.

2.2 *Register your Sybase IQ Server*

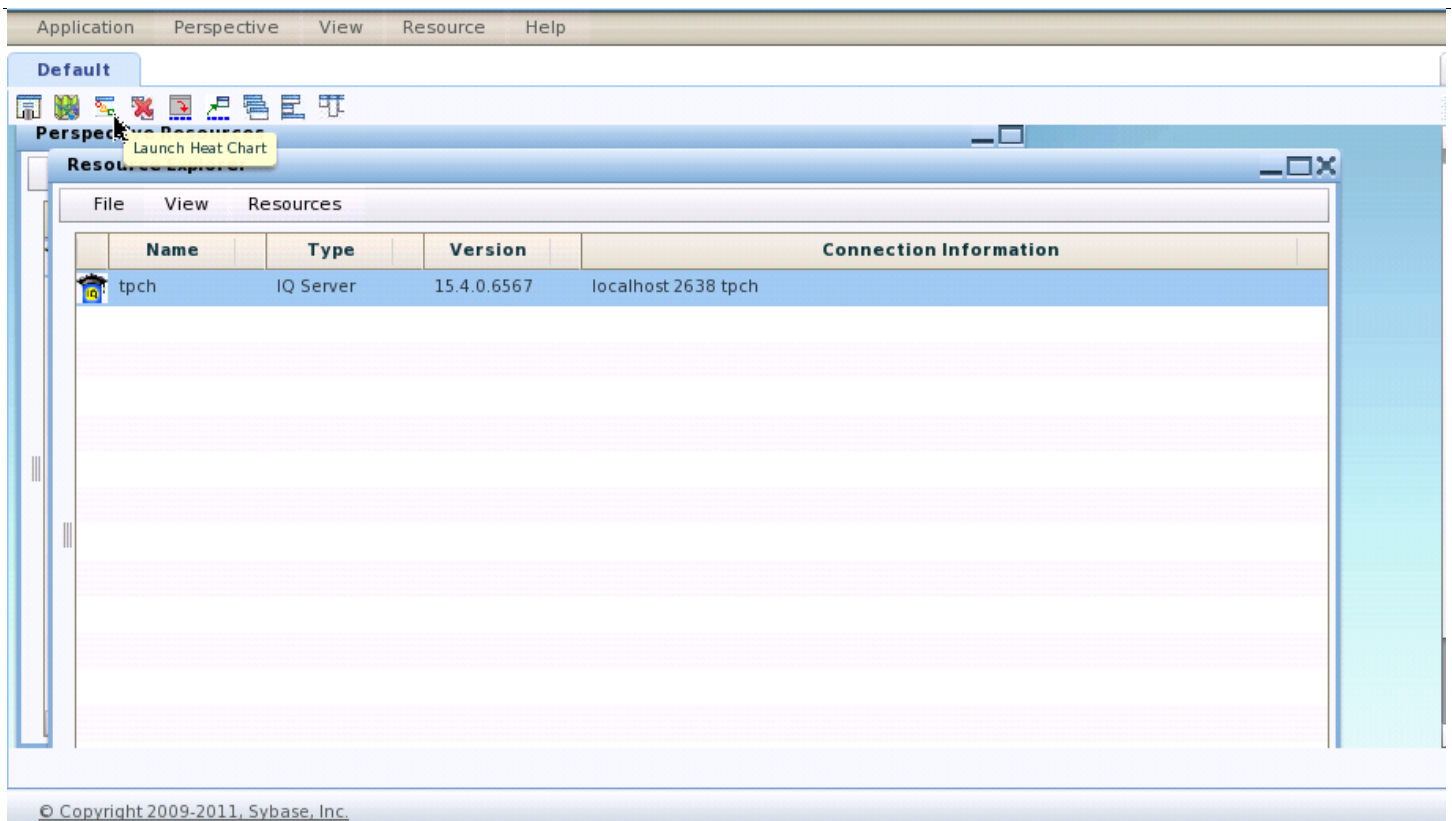
If you have not started up your TPCB database, do so by changing to the directory where your Sybase IQ catalog file is located, and issuing the following command:

```
start_iq @tpch.cfg tpch.db
```

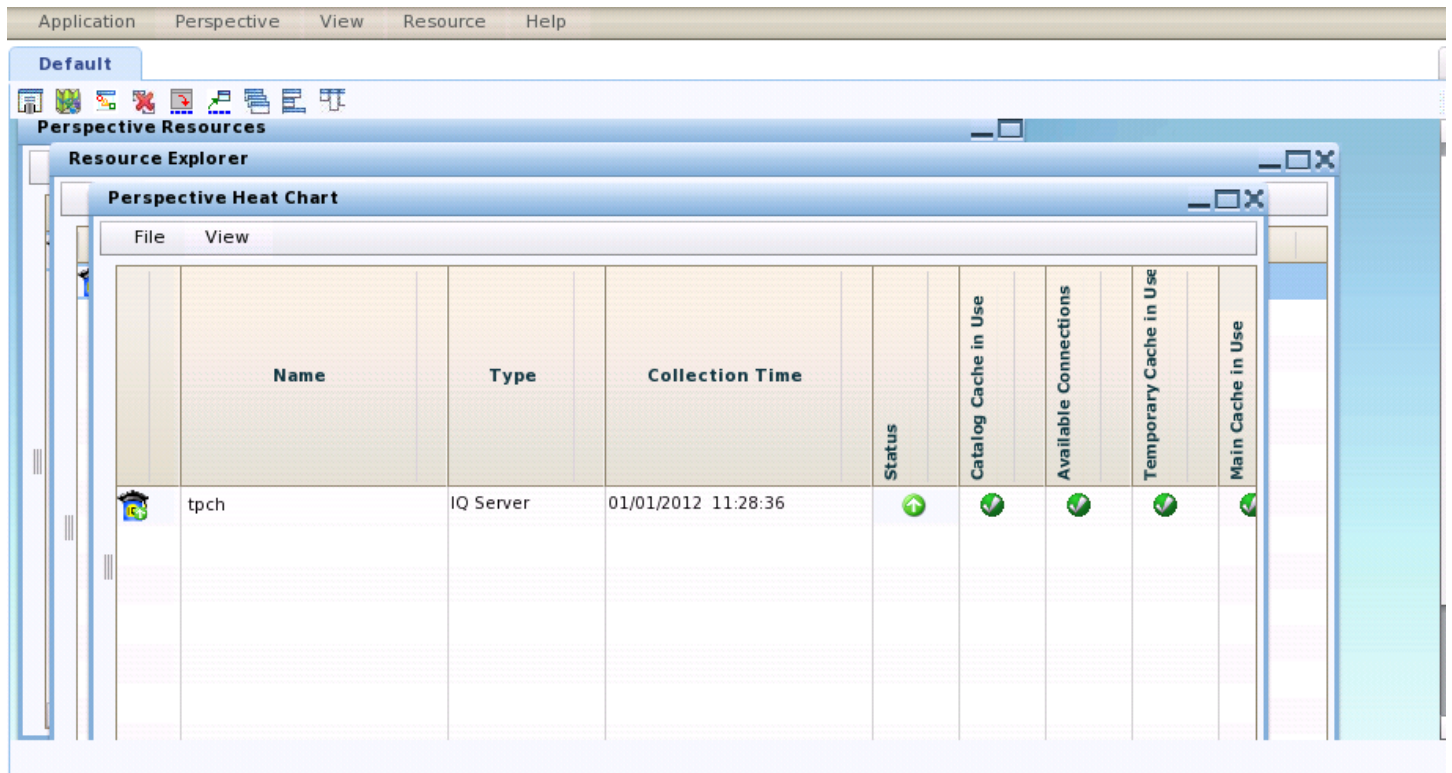
In Sybase Control Center, register the database, if not registered, as specified in Lesson 2, Product Installation and Database Creation.

2.3 *Launch the Heat Chart*

Launch the heat chart to view the overall health of your SAP Sybase IQ server:



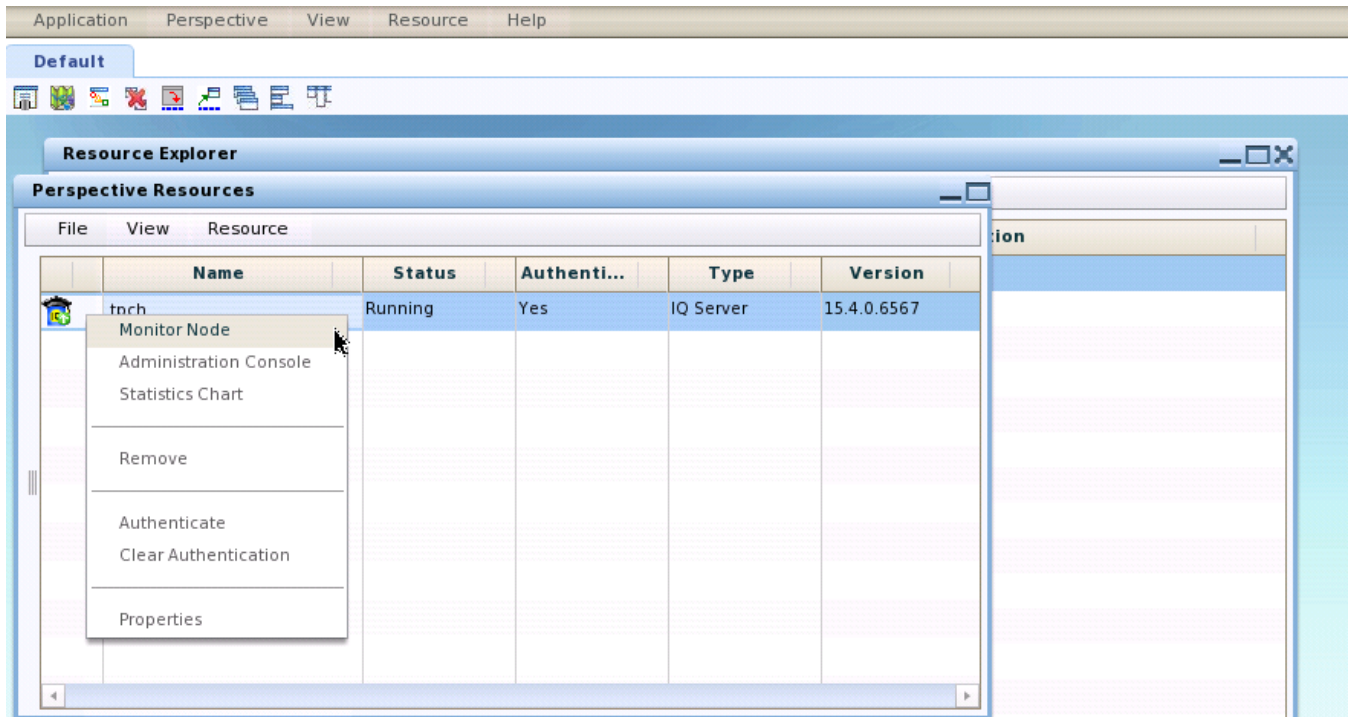
You will see some high level status information about the IQ server:



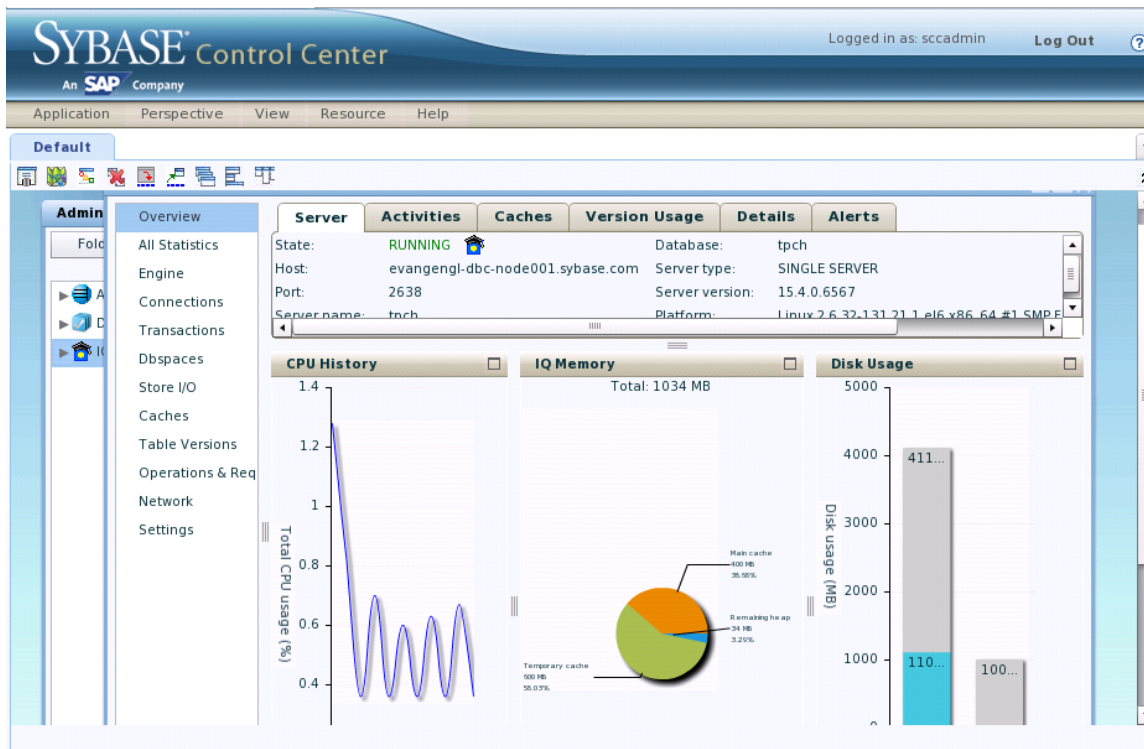
Close the heat chart by clicking on the “X” in the upper right corner of the view.

2.4 Start the Monitor Node

In the “Perspective Resources” view, click on the triangle to the right of the “tpch” resource name, and choose “Monitor Node”:



Here you can perform monitoring of the various resources in use by your Sybase IQ server. You can click on the various categories on the left to view different kinds of statistics. Here is a picture of the “Overview” category:



Consult the user documentation about Sybase Control Center, to learn more about this useful tool:

<http://infocenter.sybase.com/help/index.jsp?topic=/com.sybase.infocenter.dc01267.0327/doc/html/title.html>

3. Summary

During this lesson, you have installed Sybase Control Center, and learned how to do some basic monitoring with this web-based tool that comes with the installation of SAP Sybase IQ.

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