

Upgrading to SAS 9.4 M6 Does Not Mean PostgreSQL is Upgraded Too

Once an upgrade to SAS 9.4 TS1 M6 is completed, the SAS Web Infrastructure Platform DB 9.1 version is still running. Following are the steps are to ensure that the PostgreSQL is upgraded to version 9.5

To Upgrade to PostgreSQL 9.5: (using one machine as an example)

1. Perform a backup of the deployment. You might have performed this backup before upgrading in place.
2. Stop all SAS services; on all nodes if a multi machine deployment.
3. Determine all the machines that contain at least one PostgreSQL data server instance. Each machine contains this directory:
<SASHome>/SASWebInfrastructurePlatformDataServer/9.4.
You need to perform these steps on all machines with PostgreSQL.
4. Run the SAS Deployment Wizard from your software depot
5. Select Install SAS software and click **Next**.
6. Select an existing SAS Home and click **Next**.
7. Select **Install Additional Software** and click **Next**.
8. Select the **SAS Web Infrastructure Platform Data Server** check box and click **Next**.
9. Click **Next** through the next several steps and then click **Start**.
10. When the installation has completed successfully, click **Next** and **Finish**.
11. **Start** the SAS Metadata Server.
12. In a command prompt or terminal session, change the directory to
<SASHome>/SASWebInfrastructurePlatformDataServer/9.4/scripts/upgrade.

Display an analysis report before Upgrading:

- a) This report lists each PostgreSQL data server configuration found in metadata
- b) Located locally to the machine or remotely on another machine
- c) Eligible to upgrade or have been upgraded to PostgreSQL 9.5.
 - In Linux environments, run **run.sh**.
 - In Windows environments, run **run.bat**.

Use these parameters to connect to a metadata server using the SAS Administrator (sasadmin) credentials:

```
--metaserver <metadata-host> --metaport <metadata-port> --metauser <sasadm-userid>  
--metapass <sasadm-password>
```

Example:

```
./run.sh --metaserver 127.0.0.1 --metaport 8561 --metauser sasadm@saspw --metapass XXXXX
```

13. Upgrade any of the local PostgreSQL data servers by adding **-upgrade** parameter to the script that produced the analysis report.

Example:

```
./run.sh --metaserver 127.0.0.1 --metaport 8561 --metauser sasadm@saspw
```

```
--metapass XXXXXX --upgrade
```

This article used one machine as an example, in the case of a multi-machine deployment repeat steps 12 and 13 for each Config level and then for each machine that includes a PostgreSQL DB server. Once all these steps are completed, start all SAS services on all machines in order.