Setting Up Pentaho EE Server

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Installing Pentaho EE

Create a dedicated 'pentaho' user. Download Pentaho from http://www.pentaho.com/download and install it into a fresh Ubuntu 16.04 server according to the instructions under '/opt/pentaho'.

Using SystemD to Start Pentaho

Intead of the traditional SysV init or Upstart procedure, Debian and Red Hat use *systemd* to manage system services. To see details of the system state, issue e.g. *systemctl status*.

The inner workings of systemd are explained in https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux/7/html/System_Administrators_Guide/part-Infrastructure_Services.html. System configuration is split into *units*, where the most important units are *services*, *targerts* (groups of units), *scopes* (externally created processes) and *slices* (a group of hierarchically organized units that manage system processes, like different user slices). Services are configured by writing *.service* files under */etc/systemd/system/* directory, which is reserved for unit files created or customized by the system administrator.

The service files consists of grouped key-value declaration directives and can be investigated with the *systemctl cat* directive. Note that the minus (-) sign after any '=' declatarion means "ignore errors".

```
pentaho@ctoolsbox:~$ systemctl cat pentaho.service

# /etc/systemd/system/pentaho.service
[Unit]
Description=Pentaho Server
After=network.target

[Service]
Type=forking
User=pentaho
Group=pentaho
ExecStart=/opt/pentaho/ctlscript.sh start
ExecStop=/opt/pentaho/ctlscript.sh stop
ExecReload=/opt/pentaho/ctlscript.sh restart
KillMode=process
Restart=on-failure

[Install]
WantedBy=multi-user.target
```

Create this file and start the service with

```
sudo systemctl start pentaho.service
```

Finally, to start Pentaho server by default after every reboot, issue

```
sudo systemctl enable pentaho.service
```

Controlling Pentaho with SystemD

Examples:

```
sudo systemctl status pentaho.service
sudo systemctl start pentaho.service
sudo systemctl stop pentaho.service
```