

# Windows NT-Based Directory Server Operations

The Directory Server for Windows runs as an Windows service. If used, the Windows Directory Server will start at boot time by default. However configuration and operational control is available via the Windows Directory Server command line program `xtsdssvc`.

The `xtsdssvc` program can be used to perform the following tasks:

- Register the Directory Server as a Windows service.
- Unregister the Directory Server service and remove the recorded startup parameters.
- Start the service.
- Stop the service.
- Obtain a status of the service.
- Set the Directory Server parameters.

Note the Windows **Services** control panel applet can be used to start and stop the service as well. The Directory Server Windows service name is "Software AG Directory Server".

This chapter covers the following topics:

- `xtsdssvc` Parameters
- `xtsdssvc` Sample Commands

## `xtsdssvc` Parameters

The following parameters can be passed to `xtsdssvc`:

Parameter	Description
<code>-help</code>	Prints the help message.
<code>-register</code>	Registers the Software AG Directory Server service. It will be started at the next system boot.
<code>-unregister</code>	Removes the Software AG Directory Server service from the database of all registered services. Also removes all registry entries belonging to the Software AG Directory Server service.
<code>-start</code>	Starts the Software AG Directory Server service.
<code>-stop</code>	Stops the Software AG Directory Server service.

Parameter	Description
-status	Prints the status of the Software AG Directory Server service and displays the current configuration parameters.
-name <i>STRING</i>	Sets the serverDirectory Server name, where <i>STRING</i> is the name. This is not the same as the Software AG Directory Server Windows service name. The default value is "XTSDIR".
-port <i>NUMBER</i>	Sets the Directory Server listen port, where <i>NUMBER</i> is the port number. A value of "0" (zero) means that the value assigned to the well-known name <i>SAGXTSDSport</i> will be used. If <i>SAGXTSDSport</i> is not defined, port number "4952" will be used. The default value is "0".
-directory <i>STRING</i>	Sets the type of Directory Server to be used, where <i>STRING</i> is the Directory Server type. The default value is "INIDIR".
-dirparms <i>STRING</i>	Sets the parameters required by the selected Directory Server, where <i>STRING</i> indicates the Directory Server parameters applicable to the type of Directory Server defined in the -directory parameter. The default value is "file=C:\Documents and Settings\All Users\Application Data\Software AG\xtsurl.cfg".
-logdir <i>STRING</i>	<p>Specifies the directory to contain the Directory Server trace log controlled by the -trace parameter (described below). Enclose value in double quotes if the directory name contains spaces.</p> <p>The default value set by the installation is "C:\Documents and Settings\All Users\Application Data\Software AG".</p> <p>If null, the log will be written to "%SystemRoot%\system32".</p> <p>The log filename is <i>xtsnnnnn.log</i>, where <i>nnnnn</i> is a sequential number</p>

Parameter	Description
-trace <i>NUMBER</i>	<p>Sets the trace level to be used by the Directory Server, where <i>NUMBER</i> indicates the trace level.</p> <p>The default value is "0".</p> <p>Specify "65534" to obtain full tracing.</p> <p>Specifying "65535" results in an internal buffer trace only, do not specify "65535", unless specifically instructed to do so.</p> <p>The Software AG Directory Server Windows service should be stopped and restarted when changing the trace value.</p>
-debug <i>NUMBER</i>	<p>Indicates whether service control manager related debugging output should be produced.</p> <p>The default value is "0".</p> <p><i>NUMBER</i> should be set to "0" (output not produced) or "1" (output produced).</p> <p>The output is written to the Windows System Event Log.</p>

## xtdssvc Sample Commands

The following examples illustrate how to perform various tasks using the `xtdssvc` command:

Task	Sample Command
Register Directory Server	<pre>xtdssvc -register</pre> <p>Parameters should be set before registering the server.</p>
Unregister Directory Server	<pre>xtdssvc -unregister</pre>
Query status of Directory Server	<pre>xtdssvc -status</pre>
Start Directory Server	<pre>xtdssvc -start</pre>
Stop Directory Server	<pre>xtdssvc -stop</pre>
Set Directory Server parameters	<pre>xtdssvc -name xtsdir -port 0 -directory INIDIR -dirparms "file=C:\Documents and Settings\All Users\Application Data\Software AG\xtsurl.cfg" -trace0 -debug0</pre>

**Note:**

You can also use a Windows program item to check the status of the Directory Server. Select the following items from the Windows Start Menu: **Programs>Software AG Directory Server>Directory Server Status**.