

# Hvrremotelistener

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## Name

**hvrremotelistener** - HVR Remote Listener.

## Synopsis

**hvrremotelistener** [-options] portnum [access\_conf.xml]

## Description

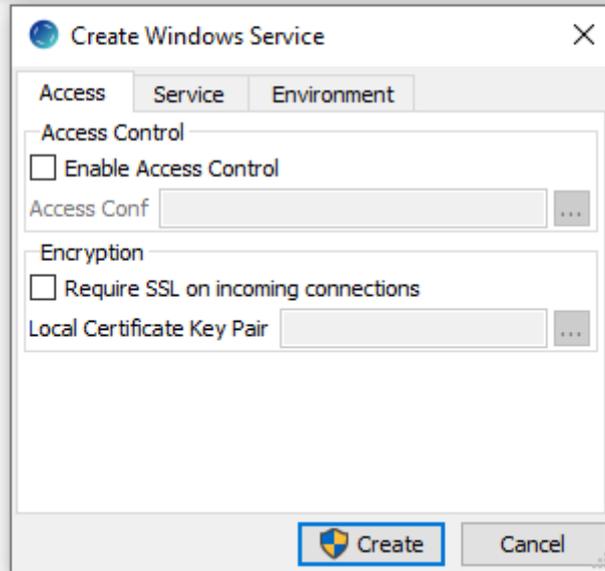
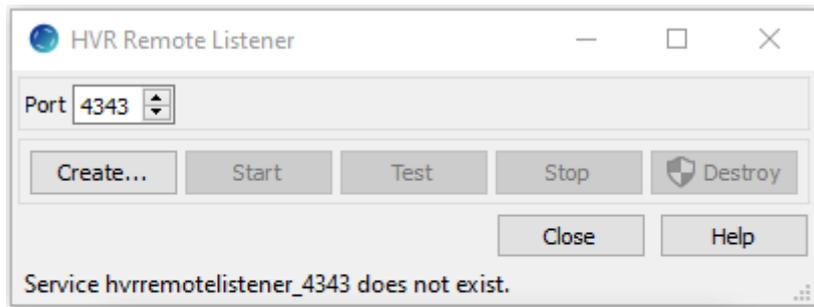
HVR Remote Listener listens on a TCP/IP port number and invokes an **hvr** process for each connection. The mechanism is the same as that of the Unix/Linux daemon **inetd**, **xinetd** or **systemd**.

On Windows, HVR Remote Listener is a Windows Service which is administered with option **-a**. The account under which it is installed must be member of the Administrator group, and must be granted privilege to act as part of the operating system (**SeTcbPrivilege**). The service can either run as the default system account, or (if option **-P** is used) can run under the HVR account which created the Windows Service.

On Unix and Linux, HVR Remote Listener runs as a daemon which can be started with option **-d** and killed with option **-k**.

Optionally, after the port number *portnum* an access configuration file *access\_conf.xml* can be specified. This can be used to authenticate the identity of incoming connections using SSL. For example, the following contents will restrict access to only connections from a certain hub machine:

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE hvraccess SYSTEM "hvraccess.dtd">
<hvraccess>
<allow>
<from> <host>myhub</host> <ssl remote_cert="hub"/> </from>
</allow>
</hvraccess>
```



- HVR Remote Listener is supported on Unix and Linux but it is more common on these machines to start remote HVR executables using the system process (**inetd**, **xinetd** or **systemd**). For more information, see [Configuring Remote Installation of HVR on Unix or Linux](#).
- When HVR Remote Listener is executed as a Windows service the errors are written to the Windows event log (**Control Panel Administrative Tools Event Viewer Windows Logs Application**).

## Options

This section describes the options available for command **hvrremotelistener**.

Parameter	Description
<b>-ax</b> <div style="border: 1px solid gray; padding: 2px; width: fit-content; margin-top: 5px;">Windows</div>	<p>Administration operations for Microsoft Windows system service. Values of <i>x</i> can be:</p> <ul style="list-style-type: none"> <li>• <b>c</b> : Create the HVR Remote Listener system service.</li> <li>• <b>s</b> : Start the HVR Remote Listener system service.</li> <li>• <b>h</b> : Halt (stop) the system service.</li> <li>• <b>d</b> : Destroy the system service.</li> </ul> <p>Several <b>-ax</b> operations can be supplied together; allowed combinations are e.g. <b>-acs</b> (create and start) or <b>-ahd</b> (halt and destroy). HVR Remote Listener system service can be started (<b>-as</b>) and halted (<b>-ah</b>) from Windows Services (<b>Control Panel Administrative Tools Computer Management Services and Applications Services</b>).</p>

<p><b>-A</b></p> <p>Unix &amp; Linux</p>	<p>Remote HVR connections should only authenticate login/password supplied from hub, but should not change from the current operating system username to that login. This option can be combined with the <b>-p</b> option (PAM) if the PAM service recognizes login names which are not known to the operating system. In that case the daemon service should be configured to start the HVR child process as the correct operating system user (instead of <b>root</b>).</p>
<p><b>-ccluslclusgrp</b></p> <p>Windows</p>	<p>Enroll the Remote Listener Service in a Windows cluster named <i>clus</i> in the cluster group <i>clusgrp</i>. Once the service is enrolled in the cluster it should only be stopped and started with the Windows cluster dialogs instead of the service being stopped and started directly (in the Windows Services dialog or with options <b>-as</b> or <b>-ah</b>). In Windows, failover clusters <i>clusgrp</i> is the network name of the item under <b>Services and Applications</b>. The group chosen should also contain the remote location; either the DBMS service for the remote database or the shared storage for a file location's top directory and state directory. The service needs to be created (with option <b>-ac</b>) on each node in the cluster. This service will act as a 'Generic Service' resource within the cluster. This option must be used with option <b>-a</b>.</p>
<p><b>-d</b></p> <p>Unix &amp; Linux</p>	<p>Start <b>hvrremotelistener</b> as a daemon process.</p>
<p><b>-Ename=value</b></p>	<p>Set environment variable <i>name</i> to value <i>value</i> for the HVR processes started by this service.</p>
<p><b>-i</b></p>	<p>Interactive invocation. HVR Remote Listener stays attached to the terminal instead of redirecting its output to a log file.</p>
<p><b>-k</b></p> <p>Unix &amp; Linux</p>	<p>Stop <b>hvrremotelistener</b> daemon using the process-id available in <b>\$HVR_CONFIG/files/hvrremotelistener.port.pid</b>.</p>
<p><b>-Kpair</b></p>	<p>SSL encryption using two files (public certificate and private key) to match public certificate supplied by <b>/SslRemoteCertificate</b>. If <i>pair</i> is relative, then it is found in directory <b>\$HVR_HOME/lib/cert</b>. Value <i>pair</i> specifies two files; the names of these files are calculated by removing any extension from <i>pair</i> and then adding extensions <b>.pub_cert</b> and <b>.priv_key</b>. For example, option <b>-Khvr</b> refers to files <b>\$HVR_HOME/lib/cert/hvr.pub_cert</b> and <b>\$HVR_HOME/lib/cert/hvr.priv_key</b>.</p>
<p><b>-N</b></p>	<p>Do not authenticate passwords or change the current user name. Disabling password authentication is a security hole, but may be useful as a temporary measure. For example, if a configuration problem is causing an 'incorrect password' error, then this option will bypass that check.</p>
<p><b>-p pamsrv**</b></p> <p>Unix &amp; Linux</p>	<p>Use Pluggable Authentication Module <i>pamsrv</i> for login password authentication of remote HVR connections. PAM is a service provided by several Operation Systems as an alternative to regular login/password authentication, e.g. checking the <b>/etc/passwd</b> file. Often <b>-plogin</b> will configure HVR child processes to check passwords in the same way as the operating system. Available PAM services can be found in file <b>/etc/pam.conf</b> or directory <b>/etc/pam.d</b>.</p>
<p><b>-Ppwd</b></p> <p>Windows</p>	<p>Configure HVR Remote Listener service to run under the current login HVR account using password <i>pwd</i>, instead of under the default system login account. May only be supplied with option <b>-ac</b>. Empty passwords are not allowed. The password is kept (hidden) within the Microsoft Windows operating system and must be re-entered if passwords change.</p>
<p><b>-U user</b></p>	<p>Limits the HVR child process to only accept connections which are able to supply the password for account <i>user</i>. Multiple <b>-U</b> options can be supplied.</p>

# Examples

## Windows

To create and start a Windows listener service to listen on port number 4343:

```
c:\> hvrremotelistener -acs 4343
```

## Unix & Linux

To run **hvrremotelistener** interactively so that it listens on a Unix machine, use the following command. Note that option **-N** is used to disable password authentication; this is necessary when running as an unprivileged user because only **root** has permission to check passwords.

```
$ hvrremotelistener -i -N 4343
```

## Files

 <b>HVR_HOME</b>	
 <b>bin</b>	
 <b>hvr</b>	Executable for remote HVR service.
 <b>hvrremotelistener</b>	HVR Remote Listener executable.
 <b>lib</b>	
 <b>hvrpasswd</b>	Password file employed by <b>hvrvalidpwfile</b> .
 <b>hvrvalidpw</b>	Used by HVR for user authentication.
 <b>hvrvalidpwfile</b>	The plugin file for private password file authentication.
 <b>hvrvalidpldap</b>	The plugin file for LDAP authentication.
 <b>hvrvalidpldap.conf</b>	Configuration for LDAP authentication plugin.
 <b>hvrvalidpldap.conf_example</b>	Example configuration file for LDAP authentication plugin.
 <b>HVR_CONFIG</b>	
 <b>files</b>	
 <b>hvrremotelistener.port_node.pid</b>	Process-id of daemon started with option <b>-d</b> .
 <b>log</b>	
 <b>hvrremotelistener</b>	
 <b>hvrremotelistener.port.log</b>	Logfile for daemon started with <b>-d</b> .

## See Also

- [Command Hvr](#)
- [Configuring Remote Installation of HVR on Unix or Linux](#)
- [Configuring Remote Installation of HVR on Windows](#)