

# Using the agentcmd utility

There are two main scenarios for using the agentcmd utility:

- With an agent on a system that has been added to Uptime Infrastructure Monitor. In this case, the hostname is in the up.time DataStore.
- With an agent that has been deployed on a system that has not been added to Uptime Infrastructure Monitor. If there is no agent on the system, or there are network problems, agentcmd returns the following error message:  
ERR Unable to contact Agent (10.1.2.34 on port 9998)

You can use agentcmd in two ways:

- [Using agentcmd at the command line](#)
- [Using agentcmd in an agent-side script](#)

## Using agentcmd at the command line

The command line syntax of agentcmd is:

```
agentcmd <t#> <-/+s> <-p #> hostname command
```

Where:

- t# = use timeout.
- -s = do not use an SSL connection to the agent (default).
- +s = connect to the agent using SSL.
- If SSL is not enabled on the host, the following error message appears:  
  
ERR The host was not configured to use SSL
- -p # = connect to the agent on the specified port (default is 9998).
- hostname = the name or IP address of the host on which the agent is running.
- command = the agent command to run.

For example, to get basic system information from an agent running on the server Solaris1, type the following command:

```
agentcmd +s Solaris1 sysinfo
```

The agent will return output similar to the following:

```
SYSNAME=Solaris1
DOMAIN=myDomain.com
ARCH="SunOS Solaris1 5.9 Generic_118558-03 sun4u sparc SUNW,Ultra-Enterprise"
OSVER=5.9
NUMCPUS=4
MEMSIZE=1048576
PAGESIZE=8192
SWAPSIZE=1021624
GPGSLO=25
VXVM=" "
SDS="YES"
HOSTID="808cf673"
CPU0=" 0 - - 168 - UltraSPARC - "
CPU1=" 1 - - 168 - UltraSPARC - "
CPU4=" 4 - - 168 - UltraSPARC - "
CPU5=" 5 - - 168 - UltraSPARC - "
NET0=lo0=127.0.0.1
NET1=hme0=10.0.0.010
```

## Using agentcmd in an agent-side script

As with netcat, agentcmd is typically used in a script on the monitoring station to perform the following tasks:

- Contact an agent system.
- Attempt to run a predefined agent-side script.
- Return the results of an agent-side script.
- Validate the status of those results.
- Return the status to Uptime Infrastructure Monitor.

The following example illustrates how to run agentcmd in an agent side script:

**Note**

The `rexec` in the command below does not indicate use of the `rexec` system utility. It is a keyword that is used to indicate to the agent that you are attempting to run a pre-defined command.

```
/usr/local/uptime4/scripts/agentcmd [-s/+s] -p [agent port] [agent hostname] rexec [password] [path]
```

If you use `netcat` in your scripts, see the following Knowledge Base articles for information on replacing `netcat` with `agentcmd`:

- [Creating Custom Service Monitors in Uptime Infrastructure Monitor](#)
- [Creating Custom Service Monitors with Retained Data Collection](#)
- [Creating Plugin Service Monitors in Uptime Infrastructure Monitor](#)