Agentless Scheduling

Introduction

The SSH (Secure Shell) JITL job (JobSchedulerSSHJob) allows a JobScheduler to execute programs on another computer without a JobScheduler Agent being installed on that machine.

The JobSchedulerSSHJob allows execution on Windows and Unix systems.

- The elegance of SSH is its simplicity. It allows public/private key authentication and is well suited to executing programs for specific accounts.
  - The JobScheduler SSH JITL job allows shell scripts to return values to JobScheduler orders as parameters.
  - See How To - Usage of the SSH Job (JobSchedulerSSHJob) with JCraft's JSch.
- One of the restrictions of standard SSH connections is that there is limited control of child processes on the remote host.
  - If a number of child processes are spawned by a program during an SSH session and that session gets killed then these child processes would normally continue running.
  - The JobScheduler provides a method for monitoring SSH connections that allows both remote sessions and local JobScheduler tasks to be terminated.
  - See How To - SSH Session Management for more information.
- The JobScheduler provides a means of controlling the behavior of standard error output and exit codes of shell commands using the SSH JITL Job.
  - See JobJobSchedulerSSHJob - Handling StdErr and ExitCode for more information.

Resources

Feature in Detail

- Agentless scheduling with the JobScheduler SSH Job

How To ... Articles

- How To - SSH Session Management
- How To - Usage of the SSH Job (JobSchedulerSSHJob) with JCraft's JSch
- How to check output to stdout from an SSH job
- How to send and receive files between networks with DMZs
- How to use JobScheduler with IBM AS/400 & System i

Frequently Asked Questions

- Agentless scheduling on Windows with copSSH
- Agentless scheduling on Windows with PsExec
- How are work plans or job schedules handled?
- What is the difference between SSH job execution and remote JobScheduler Agents?
- Which components will be installed on a client and how will jobs be started there?

Examples in Detail

- Example for the JobScheduler SSH Job
- JobJobSchedulerSSHJob - Handling StdErr and ExitCode

See also

- See our What is the difference between SSH job execution and remote JobScheduler Agents? article for more information
Agentless scheduling on Windows with copSSH
Agentless scheduling on Windows with PsExec
Agentless scheduling with the JobScheduler SSH Job
Limitations when using SSH jobs for Windows