

SSH Components

Introduction

SSH components provides Smarfrog components for executing a command on a remote machine and copy file to/from a remote machine over SSH.

How to build

1. First build smarfrog framework by running ant dist in core/smarfrog
2. Build ant tasks by running ant in core/extras/ant
3. Build ssh by running ant in core/components/ssh
4. Copy following jar files from core/components/ssh/ build/dist/lib to core/smarfrog/dist/lib or update class path for the SmartFrog daemon.
 1. jsch-20040505.jar
 2. sshComponents.jar

Usage

SCP Component

SCP component is deployed as a Smarfrog component. It can be used to copy files (upload/download) to/from a remote host securely.

Attributes

<i>Attribute Name</i>	<i>Description</i>	<i>Optional/Mandatory</i>
host	Machine running ssh daemon	Mandatory
userId	User login Id	Mandatory
passwordFile	File containing password	Mandatory
localFiles	Comma separated path to local files, in the form of a vector	Mandatory
remoteFiles	Comma separated path to remote files, in the form of a vector	Mandatory
transferType	Type of file transfer (Upload or download)	Mandatory (Possible values are "get" and "put")
port	Port	Optional (default value is 22)
shouldTerminate	Should terminate this component after processing or not	Optional (Default is true)

Please refer to sshExample.sf for a sample usage of SCP component.

SSHExec Component

SSHExec component is deployed as a Smarfrog component. It can be used to remotely execute commands securely over SSH.

Attributes

<i>Attribute Name</i>	<i>Description</i>	<i>Optional/Mandatory</i>
host	Host running ssh daemon	Mandatory
userId	Login ID	Mandatory
commands	Comma separated list of command to be executed in SSH session.	Mandatory
passwordFile	File containing password of user.	Mandatory
timeout	Timeout for commands execution	Optional (default value is 0)
port	Port	Optional (default value is 22)
failOnError	Terminate if any command fails.	Optional (Default is true)
shouldTerminate	Boolean attribute enables self termination of the SSHExec component after executing SSHExec commands.	Optional (Default is true)

Please refer to sshExecExample.sf for a sample usage of SSHExec component.