Octopus Adaptor Documentation

This document contains the adaptor documentation. This documentation is generated from the information provided by the adaptors themselves.

Octopus currently supports 4 adaptors: local, ssh, gridengine, slurm.

Adaptor: local

The local adaptor implements all functionality with standard java classes such as java.lang.Process and java.nio.file.Files.

Supported schemes:

local, file

Supported properties:

octopus.adaptors.local.queue.pollingDelay

The polling delay for monitoring running jobs (in milliseconds).

Expected type: INTEGER

Default value: 1000

Valid for: [OCTOPUS]

octopus.adaptors.local.queue.multi.maxConcurrentJobs

The maximum number of concurrent jobs in the multiq..

Expected type: INTEGER

Default value: 4

Valid for: [OCTOPUS]

Adaptor: ssh

The SSH adaptor implements all functionality with remove ssh servers.

Supported schemes:

ssh, sftp

Supported properties:

`octopus.adaptors.ssh.autoAddHostKey`

Automatically add unknown host keys to known_hosts.

Expected type: BOOLEAN

Default value: true

Valid for: [SCHEDULER, FILESYSTEM]

`octopus.adaptors.ssh.strictHostKeyChecking`

Enable strict host key checking.

Expected type: BOOLEAN

Default value: true

Valid for: [SCHEDULER, FILESYSTEM]

`octopus.adaptors.ssh.loadKnownHosts`

Load the standard known_hosts file.

Expected type: BOOLEAN

Default value: true

Valid for: [OCTOPUS]

`octopus.adaptors.ssh.queue.pollingDelay`

The polling delay for monitoring running jobs (in milliseconds).

Expected type: LONG

Default value: 1000

Valid for: [SCHEDULER]

`octopus.adaptors.ssh.queue.multi.maxConcurrentJobs`

The maximum number of concurrent jobs in the multiq..

Expected type: INTEGER

Default value: 4

Valid for: [SCHEDULER]

`octopus.adaptors.ssh.gateway`

The gateway machine used to create an SSH tunnel to the target.

Expected type: STRING

Default value: null

Valid for: [SCHEDULER, FILESYSTEM]

Adaptor: gridengine

The SGE Adaptor submits jobs to a (Sun/Ocacle/Univa) Grid Engine scheduler. This adaptor uses either the local or the ssh adaptor to gain access to the scheduler machine.

Supported schemes:

ge, sge

Supported properties:

`octopus.adaptors.gridengine.ignore.version`

Skip version check is skipped when connecting to remote machines. WARNING: it is not recommended to use this setting in production environments!

Expected type: BOOLEAN

Default value: false

Valid for: [SCHEDULER]

`octopus.adaptors.gridengine.accounting.grace.time`

Number of milliseconds a job is allowed to take going from the queue to the qacct output.

Expected type: LONG

Default value: 60000

Valid for: [SCHEDULER]

`octopus.adaptors.gridengine.poll.delay`

Number of milliseconds between polling the status of a job.

Expected type: LONG

Default value: 1000

Valid for: [SCHEDULER]

Adaptor: slurm

The Slurm Adaptor submits jobs to a Slurm scheduler. This adaptor uses either the local or the ssh adaptor to gain access to the scheduler machine.

Supported schemes:

slurm

Supported properties:

`octopus.adaptors.slurm.ignore.version`

Skip version check is skipped when connecting to remote machines. WARNING: it is not recommended to use this setting in production environments!

Expected type: BOOLEAN

Default value: false

Valid for: [SCHEDULER]

`octopus.adaptors.slurm.poll.delay`

Number of milliseconds between polling the status of a job.

Expected type: LONG

Default value: 1000

Valid for: [SCHEDULER]