

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 remote ssh servers.

Supported schemes:

ssh, sftp

Supported properties:

octopus.adapters.ssh.autoAddHostKey

Automatically add unknown host keys to known_hosts.

- Expected type: BOOLEAN
- Default value: true
- Valid for: [FILESYSTEM, SCHEDULER]

octopus.adapters.ssh.strictHostKeyChecking

Enable strict host key checking.

- Expected type: BOOLEAN
- Default value: true
- Valid for: [FILESYSTEM, SCHEDULER]

octopus.adapters.ssh.loadKnownHosts

Load the standard known_hosts file.

- Expected type: BOOLEAN
- Default value: true
- Valid for: [OCTOPUS]

octopus.adapters.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: [FILESYSTEM, SCHEDULER]

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.disable.accounting.usage

Do not used accounting info of slurm, even when available. Mostly for testing purposes

- 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]