**SAGA-NAREGI Adaptor**

**Install Guide**

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# Introduction

This document is the SNA (SAGA-NAREGI Adaptor for Job Management) Installation guide.

# What is SNA?

SNA is the SAGA adaptor that is required to use a cluster system by NAREGI.

## Files to be installed

SNA will be installed under the directory specified in the environment variable, $SAGA\_LOCATION. The following files will be installed.

$SAGA\_LOCATION/lib/libsaga\_adaptor\_naregi\_job.a

SAGA Job Package archive library for SNA

$SAGA\_LOCATION/lib/libsaga\_adaptor\_naregi\_job.so

SAGA Job Package shared library for SNA

$SAGA\_LOCATION/share/saga/saga\_adaptor\_naregi\_job.ini

SAGA Job Package adaptor configuration file for SNA

# How to install

This chapter describes how to install SNA.

## Pre-installation

There are requirements and environmental variables to be prepared before to install SNA.

### Requirements

The following is required to install SNA.

- SAGA Environment

- SAGA source code

In order to setup SAGA environment for SNA, please refer to "SNA Environment Setup Guide".

### Environment variables

The following environment variables are required to compile and install SNA.

- SAGA\_LOCATION

It is the directory where SAGA is installed. (i.e. /usr/local/saga)

- SAGA\_ROOT

It is the directory where SAGA source code exists.

(i.e. /home/user/work/saga-cpp-1.3.3)

$SAGA\_LOCATION is required to compile and execute SAGA applications. $SAGA\_ROOT is required to compile SNA but it is not specified when SAGA applications are compiled and executed.

## Compile and Install

The following is the steps to compile and install SNA.

(1) Extract the distributed file.

$tar jxvf sna-1.0.tar.bz2

(2) Change directory to naregi\_job directory.

$ cd sna-1.0/adaptors/naregi/naregi\_job

(3) Execute "make install"

# make install

# Configuration

This chapter describes configurations of SNA.

## Adaptor configuration file

This section explains about the adaptor configuration file that is $SAGA\_LOCATION/share/saga/saga\_adaptor\_naregi\_job.ini.

### [saga.adaptors.naregi\_job]

*name*

"naregi\_job" is specifed. No change in typical use.

*path*

"[saga.location]/lib" is specified. No change in typical use.

*enabled*

You can disable SNA by specifying "false" here. No change in typical use.

### [saga.adaptors.naregi\_job.cli]

This is reserved for future use.

### [saga.adaptors.naregi\_job.wfml.transfer]

This section defines the default values of the transfer activity.

WallTimeLimit

This defines the WallTimeLimit attribute in the transfer elements. The default value is “300” if this attribute is not specified.