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# FTS Server Installation Guide: YAIM example

The following gives an example of the YAIM variables that need to be set to configure a few FTA agents and a single FTS web-service.

In the example, we assume that you have chosen to run two VO agents (for `dteam` and `atlas`) and two channel agents (`CERN-CERN` and `CERN-BNL`). We choose to run:

- the `dteam` VO agent and `CERN-CERN` channel agent together on the host `fts001.test.ch`
- the `atlas` VO agent and `CERN-BNL` channel agent together on host `fts002.test.ch`

The web-service will run on a different host that is referenced by the DNS alias `fts-prod.test.ch`.

## YAIM file

All agent variables are prefixed with `"FTA_"`. All web-service variables are prefixed with `"FTS_"`.

```
###
### This section sets up what agents go where
###

# There are two machines for the agwnt
FTA_MACHINES="ONE TWO"

# Two agent daemons on the first host
FTA_AGENTS_ONE_HOSTNAME="fts001.test.ch"
FTA_AGENTS_ONE="DTEAM CERN-CERN"

# ..and two agent daemons on the other
FTA_AGENTS_TWO_HOSTNAME="fts002.test.ch"
FTA_AGENTS_TWO="ATLAS CERN-BNL"

# Specify what type each of the agents is
FTA_CERN_CERN="URLCOPY"
FTA_CERN_BNL="URLCOPY"
FTA_DTEAM="VOAGENT_PYTHON"
FTA_ATLAS="VOAGENT_PYTHON"

###
### This section sets up the global parameters for all the agents
###

# Specify the DB connection parameters (you get these from your DB admin)
FTA_GLOBAL_DBTYPE=ORACLE
FTA_GLOBAL_DB_CONNECTSTRING="(DESCRIPTION=(LOAD_BALANCE=no) (ADDRESS=(PROTOCOL=TCP) (HOST=lcgtestdb
FTA_GLOBAL_DB_USER=lcg_fts_prod_w
FTA_GLOBAL_DB_PASSWORD=xxxxxxx

# It is recommended to change the default logging level for all the agents (see bug 16521).
FTA_GLOBAL_LOG_PRIORITY=INFO

###
### This section varies the default values for specific agent types
###

# For better debugging, it is recommended to up the default transfer logging level (see bug 16521)
FTA_TYPEDEFAULT_URLCOPY_GUC_LOGLEVEL=DEBUG

# The plugin properties for the default retry plugin must be specified (see bug 16520).
```

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```
FTA_TYPEDEFAULT_VOAGENT_PYTHON_PYTHON_PATH=${GLITE_LOCATION}/lib/python2.2/site-packages:$
FTA_TYPEDEFAULT_VOAGENT_PYTHON_ACTIONS_RETRYMODULE=smarter_retry
FTA_TYPEDEFAULT_VOAGENT_PYTHON_ACTIONS_RETRYPARAMS="MaxFailures = 3 ; HoldEnabled = false ; Overw
```

```
###
### It is not recommended to change any individual agent values until
### you have evaluated the behaviour of the running agents.
###
```

```
###
### This section sets up the FTS web-service
###
```

```
FTS_DBURL="jdbc:oracle:thin:@(DESCRIPTION=(LOAD_BALANCE=no) (ADDRESS=(PROTOCOL=TCP) (HOST=lcgtestdb
FTS_HOST_ALIAS=fts-prod.test.ch
```

-- GavinMcCance - 28 Apr 2006

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This topic: LCG > FtsServerInstall15YaimExample

Topic revision: r4 - 2007-02-02 - FlaviaDonno



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