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Web Services and Applications Deployment Guide

Configuring GWS Platform Service Settings

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 - 1.1 Environment Variables

Configuring GWS Platform Service Settings

Environment Variables

Name	Mandatory	Default Value	Description
GWS_COMMON_AUTH_SECRET	Yes		Specifies the secret that should be used for authentication purpose for inter-service communication. For more details, please refer to "serverSettings.auth.secret" in GWS API Service configuration options and/or the OCX configuration option "secret".
GWS_COMMON_LOCATION	No	/	Specifies the region or datacenter name that service should serve for. For more details, please refer to "serverSetting.nodePath" in GWS API Service configuration options.
GWS_DATABASE_UPDATE_POLLING_TIMEOUT	No	1000	Specifies in milliseconds how often service should check for changes in ConfigDB.
GWS_ENV_CONFIG_FILE	No	./environment.yaml	Specifies a location of environment.yaml file that should be used for service initialization.
GWS_EXPORTER_OTLP_TRACES_ENDPOINT	No	http://localhost:4317	Specifies OpenTelemetry address in URL format that should be used for exporting traces.
GWS_LOGGING_ENABLE_COMPRESSION	No	true	Specifies if compression for stored log files should be applied.
GWS_LOGGING_INTERVAL	No	3600	Specifies in seconds how often log file rotation should be performed.
GWS_LOGGING_MAX_FILE_COUNT	No		Specifies the max

Name	Mandatory	Default Value	Description
			number of log files that should be kept. By default, service doesn't remove any log file.
GWS_LOGGING_MAX_FILE_SIZE	No		Specifies the max log file size when log rotation should be performed in addition to configured interval (GWS_LOGGING_INTERVAL). By default, log rotation is done by timer only.
GWS_LOGGING_MAX_HISTORY	No		Specifies in seconds how long the service's log files should be kept. By default, they are kept forever.
GWS_LOGGING_PATH	No	/var/log/gws-service-platform	If specified, enables writing logs into a file instead of STDOUT/STDERR (in such case, logs are accessible through JournalD). Specifies the path where logs should be stored.
GWS_LOGGING_FILE	No	gws-service-platform.log	Specifies the log file name.
GWS_LOG_LEVEL	No	INFO	Specifies service logging level. Allowed values: [ERROR, WARN, INFO, DEBUG, TRACE]
GWS_SERVER_HOST	No	0.0.0.0	Specifies the host name or IP address of network interface that should be used by service to open API listening port. Default value "0.0.0.0" that means open listening port on all network interfaces.
GWS_SERVER_PORT	No	8092	Specifies the port number that should be used as API listening port.
GWS_DATABASE_DATA_SOURCE_NAME	No	MSSQL: MicrosoftODBC-18 Oracle: OracleODBC-23	Specifies the custom DSN that should be used by service instead of default.
GWS_DATABASE_USE_TNSNAMES	No	false	When set true, the database parameter

Name	Mandatory	Default Value	Description
			from environment.yaml is treated as the Oracle SID (GWS Platform service supports Oracle SIDs from tnsnames.ora file) and host/port are not used.

environment.yaml file

Note: password field values in environment.yaml can be encrypted. To encrypt, pass a command line argument following --encode parameter. Example:

```
./gws-service-platform --encode "testPa33W0rd"
```

```
FE9EDB4BF51ED570C18C2CC2F530468D
```

General

```
appName: Cloud # Specifies the application name from ConfigServer that GWS should use
connectionProtocol: addp # Specifies if ADDP protocol should be used along with ConfigServer
connection
localTimeout: [ToBeChanged: timeout] # Specifies a local timeout for ADDP protocol
password: [ToBeChanged: password] # Specifies the account password that GWS should use for
connecting to ConfigServer
remoteTimeout: [ToBeChanged: timeout] # Specifies a remote timeout for ADDP protocol
tenant: Environment # Specifies default environment in ConfigServer (reserved for future
usage)
tlsEnabled: [ToBeChanged: true or false] # Indicates if TLS should be used while establishing
connection to ConfigServer
traceMode: [ToBeChanged: CFGTMBoth/CFGTMLocal/CFGTMRemote/CFGTMNone] # Specifies what mode
should be used for ADDP protocol
username: [ToBeChanged: username] # Specifies the account name that GWS should use for
connecting to ConfigServer
```

ConfigServer

```
locations: [ToBeChanged: /<REGION>] # Specifies the name of datacenter for which
configuration is set.
initDb: false # Indicates if database schema should be provisioned (reserved for future usage)
primaryAddress: [ToBeChanged: ConfigServer/CSProxy address]
primaryPort: [ToBeChanged: ConfigServer/CSProxy port]
readFromDb: true # Indicates if read requests should be handled with data from database
readOnly: true # Indicates if connection to ConfigServer shouldn't be used for write
operations (reserved for future usage)
```

Database

```
database: [ToBeChanged: database] # Specifies the name of ConfigServer's database or
ServiceName for Oracle DB
host: [ToBeChanged: host] # Specifies the address of ConfigServer's database
password: [ToBeChanged: password] # Specifies database account password
poolSize: 3 # Specifies the size of database connections pool
port: [ToBeChanged: port] # Specifies the port of ConfigServer's database
type: [ToBeChanged: "postgres" | "mssql" | "oracle"] # Specifies the ConfigServer's database
type
```

username: [ToBeChanged: username] # Specifies database account name

Sample File

```
appName: Cloud
configServers:
  - db:
      database: orclpdb.test.com
      host: db.dc1.com
      password: gws
      poolSize: 5
      port: 1521
      type: oracle
      username: gws_test
    initDb: false
    locations: "/DC1"
    primaryAddress: masterCS.com
    primaryPort: 8888
    readFromDb: true
    readOnly: false
  - initDb: false
    locations: "/DC1"
    primaryAddress: ProxyCS.dc1.com
    primaryPort: 8888
    readFromDb: false
    readOnly: true
  - db:
      database: orclpdb-replica.test.com
      host: db.dc2.com
      password: gws
      poolSize: 5
      port: 1521
      type: oracle
      username: gws_test
    initDb: false
    locations: "/DC2"
    primaryAddress: ProxyCS.dc2.com
    primaryPort: 8889
    readFromDb: false
    readOnly: true
connectionProtocol: addp
localTimeout: 5
password: pass_test
remoteTimeout: 7
tenant: Environment
tlsEnabled: true
traceMode: CFGTMBOTH
username: gws_test
```