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iWD Deployment Guide

iWD History Node Configuration

12/16/2025

Contents

iWD History Node Configuration

.yaml File

The **.yaml** configuration file provides:

- Initial log configuration
- Configuration for the events migration mechanism from the Event Log database to the History Node database
- Configuration of a list with HTTP methods to reject on open sockets

On startup, History Node attempts to read it from a default location:

```
${INSTALLATION DIRECTORY}/config/iwd_history.yaml
```

However, different **.yaml** configuration file can be provided by using the **-config** command-line option.

Sample File

```
 logging:
  level: INFO
  appenders:
    - type: console
    - type: file
      currentLogFilename: /var/log/historynode.log
      threshold: ALL
      archive: true
      archivedLogFilenamePattern: /var/log/historynode-%i.log
      archivedFileCount: 5
      timeZone: UTC
      maxFileSize: 100MB

event-log-migration:
  solutionId: SLT1
  fetchSize: 10
  interaction-server:
    driverClass: com.microsoft.sqlserver.jdbc.SQLServerDriver
    url: jdbc:sqlserver://<db_host>:<db_port>;databaseName=inx_db
    user: <db_username>
    password: <db_password>
  eventlog:
    driverClass: com.microsoft.sqlserver.jdbc.SQLServerDriver
    url: jdbc:sqlserver://<db_host>:<db_port>;databaseName=eventlog_db
    user: <db_username>
    password: <db_password>

httpDisabledMethods: null
adminHttpDisabledMethods: null
```

where:

- **logging**—Defines History Node logging configuration.
- **event-log-migration**—Contains configuration of the Event Log database events to History Node events migration process. This section is optional.
    - **solutionId**—The runtime id of the solution for which events will be migrated. Solution with this id must be configured in Configuration Server
    - **fetchSize**—Determines how many interactions' events will be queried at once from the Event Log database. Please note it is number of interactions, not number of events. Default value: `10`.
    - **interaction-server**—Points to the Interaction Server database.
    - **eventlog**—Points to the Event Log database.
    - **httpDisabledMethods**— One or more (comma delimited) HTTP methods to reject on the default port. Null indicates allowing all methods. After an update, you must restart the component. Example: OPTIONS,TRACE.
    - **adminHttpDisabledMethods**— One or more (comma delimited) HTTP methods to reject on the admin port. Null indicates allowing all methods. After an update, you must restart the component. Example: OPTIONS,TRACE.

Configuring History Node to Process a Single Event Type

History Node can provide data for iWD Manager or iWD Data Mart or both. By default both event types are processed; however you can change this with following options:

- **process-gtl**—setting this option to `false` will disable processing of the events for the iWD Manager.
- **process-dm**—setting this option to `false` will disable processing of the events for the iWD Data Mart.

Important

1. iWD Manager will not connect to a History Node application unless the **process-gtl** option is explicitly set to `true`.

2. iWD Data Mart will not connect to a History Node application unless the **process-dm** option is explicitly set to `true`

Warning

History Node applications connecting to the same JMS queue must have exactly the same configuration for both **process-gtl** and **process-dm** options. Configuring them differently would result in inconsistent data provided by History Node applications.

Configuring History Node to Process UTF-8

If you plan to use UTF-8 encoded characters in the task updates (for example, in task attributes values), you must enable the UTF-8 encoding support.

To do this for Windows, add `-Dfile.encoding=utf-8` to **JavaServerStarter.ini** under the **[JavaArgs]** section.

To do this for UNIX, add `-Dfile.encoding=utf-8` to **JAVA_OPTS** in **iwd_history.sh**.

Then restart History Node.