InMemory Execution

Last Modified on 07/09/2024 8:17 am EDT

Starting with V10.0, Cora SeQuence has been renamed to Cora Orchestration.

V10.6

Overview

Define a workflow as InMemory when you don't want to save the operation's details to the database. You can use an InMemory type of "black box" workflow as part of a larger process, such as a sub workflow that calculates the score of a loan request. The calculation's results might be important to the overall process, but might not be important to track the intermediate steps inside the workflow during execution.

If you configure your environment with the diagnostics feature, a trace file, SVC file, is created for the workflow's execution.

Set the workflow to run in InMemory mode

1. Open the workflow in the App Studio, and click the workflow canvas.
2. In the Properties pane, under **Execution>Persistence Mode**, select **InMemory**.

InMemory limitations

Not all activities support InMemory mode. To verify that the activities in a workflow support InMemory mode, access the workflow, and from the top ribbon, click **Validate**. If you set the workflow to InMemory, a warning message appears for unsupported activities.

Activities that do not support InMemory persistence mode

Activity	Does it support InMemory execution?
Human activities (all)	No
File activities	Yes (*from V10.6 onwards*) • Get File • Get File Info • Put File • Delete File • Create Folder No • File Listener • File Writer
Database Listener activity	No
SharePoint Listener activity	No

Activity	Does it support InMemory execution?
Sub Workflow activity	No
Email Listener activity	No
CRM Lister activity	No
Built-In Command activity	Yes (*from V8.6.2 onwards*)
Data activities (all)	Yes (*from V8.6 onwards*)

Enable diagnostics

In the `web.config` file for the environment from where you are running the process, add the following service to the `<sequence.engine>` > `<services>` section.

You can configure the following properties.

- *traceDirectory*: directory where the SVC file is created. The default value is the current user's *Temp* directory.
- *traceLimit*: maximum number of trace files. The default value is 1,000.

```
<add type="PNMsoft.Sequence.Runtime.Diagnostics.WorkflowExecutionDiagnosticsService, PNMsoft.Sequence.Runtime.Diagnostics, Version=8.0.0.0, Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1" traceDirectory="path to traces directory" traceLimit="#" />
```

V8.2-V10.5

Overview

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