User Guide:
Know Your Workflow

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NINTEX® Workflow for Everyone

Contents

Introduction

This document describes how to run the Know Your Workflow script and provides descriptions of the tables and columns in the resulting output files.

The Know Your Workflow script can help you understand what actions, workflows and instances are being executed in your environment. The script, named NWUsageStatsCollector.ps1, queries Nintex Workflow databases in your environment and outputs results to local .csv and .xml files within a .zip file.

Running the Know Your Workflow script

You can quickly run the Know Your Workflow script using the default parameters. You can also tailor how the script is run by specifying values for optional parameters.

To run the Know Your Workflow script

1. Launch the SharePoint Management Shell as admin.
2. Change to the directory in which the script is located.
3. To use default parameters, type the following.
   ```
   .\NWUsageStatsCollector.ps1
   ```
4. To view help for parameters in the script, type the following.
   ```
   get-help .\NWUsageStatsCollector.ps1 -full
   ```
5. To specify optional parameters, reference examples below.

   Example 1: Customize the output file name to "Result" and exclude workflow names.
   ```
   .\NWUsageStatsCollector.ps1 -fileName "Result" -excludeFields
   "WorkflowName"
   ```
   Example 2: Customize the file name to "Export" and include only .csv files.
   ```
   NWUsageStatsCollector.ps1 -fileName "Export" -outputFormat CSV
   ```
6. **Upload the script** using the form at **http://www.nintex.com/know-your-workflow**

Table and column descriptions

This section describes the tables and table column headings that appear in .csv output files generated by the Know Your Workflow script.

By default, output files include content formatted as both .xml and .csv. The tables represented in the output files follow.

- ActionStatistics: Indicates workflow actions used in the last 90 days.
- Activities: Lists names of workflow actions registered in the Nintex Workflow configuration database.
- OverviewStatistics: Quantifies sites, initiators, and other data for completed workflows.
- WorkflowStatistics: Quantifies actions, durations, and other data for recently started workflows.

Output files

The output results are saved as .csv and/or .xml files within a .zip file in the current directory. The date and time is appended to each file name using the format yyyyMMdd-HHmmss. When the default parameters are used, each set of output results includes one .xml file and several .csv files. The .xml file contains all output tables (statistics types) across all databases, while the .csv files are each specific to an output table and a database.

The following file names illustrate output from running the script using default parameters, including the default value of "NWUsageStats" for fileName.

Example output file name	Explanation
NWUsageStats-20150203-081528.zip	The .zip file containing all files generated by the script.
NWUsageStats-20150203-081528.xml	All output tables (statistics types) across all Nintex Workflow databases.
NWUsageStats-NW2013DB-ActionStatistics-20150202-211526.csv	ActionStatistics table for the Nintex Workflow database Nintex2013DB.
NWUsageStats-NW2013DB-Activities-454b1602-52b6-47bd-a5a3-9228c40960bc.csv	Activities table for the Nintex Workflow database Nintex2013DB.
NWUsageStats-NW2013DB-OverviewStatistics-20150202-211734.csv	OverviewStatistics table for the Nintex Workflow database Nintex2013DB.
NWUsageStats-NW2013DB-WorkflowStatistics-20150202-211734.csv	WorkflowStatistics table for the Nintex Workflow database Nintex2013DB.
NWUsageStats-NW2013DB2-ActionStatistics-20150202-211526.csv	ActionStatistics table for the Nintex Workflow database Nintex2013DB2.
NWUsageStats-NW2013DB2-Activities-454b1602-52b6-47bd-a5a3-9228c40960bc.csv	Activities table for the Nintex Workflow database Nintex2013DB2.
NWUsageStats-NW2013DB2-OverviewStatistics-20150202-211734.csv	OverviewStatistics table for the Nintex Workflow database Nintex2013DB2.
NWUsageStats-NW2013DB2-WorkflowStatistics-20150202-211734.csv	WorkflowStatistics table for the Nintex Workflow database Nintex2013DB2.

Table descriptions

This section describes each table in the output files, provides an example table row, and describes column headings.

ActionStatistics

The ActionStatistics table lists identifiers of Nintex Workflow actions present in the SharePoint farm that have been executed in the last 90 days, along with numbers of associated executions, workflow instances, and workflows.

Example table row

ActivityID	TotalExecutions	TotalWorkflowInstances	NumberOfWorkflowsUsedIn
41	4	4	2

Column heading descriptions

Column heading	Description
ActivityID	Unique identifier for Nintex Workflow action present in the farm. Note: Not all actions appear in the Workflow designer canvas.
TotalExecutions	Number of times that the action has been executed in the last 90 days.
TotalWorkflowInstances	Number of workflow instances that led to this action executing.
NumberOfWorkflowsUsedIn	Number of workflows that use this action.

Activities

The Activities table lists the name, assembly, and type for each Nintex Workflow action present in the farm. This table is useful for finding names associated with identifiers listed in the ActionStatistics table.

Example table row

ActivityID	ActivityName	ActivityAssembly	ActivityType
41	Log in history list	Nintex.Workflow, Version=1.0.0.0, Culture=neutral, PublicKeyToken=913f6bae0ca5ae12	Nintex.Workflow.Activities.WriteToHistoryListActivity

Column heading descriptions

Column heading	Description
ActivityID	Unique identifier for Nintex Workflow action present in the farm. Note: Not all action appear in the Workflow designer canvas.
ActivityName	Name of the action. Note: User edits to workflow action names are not shown.
ActivityAssembly	Assembly information for the action.
ActivityType	Type of action. Example: Nintex.Workflow.Activities.RequestApprovalActivity

OverviewStatistics

The OverviewStatistics table lists the number of completed workflows in the last year and associated quantities, such as numbers of unique sites, initiators, and approvers. Each row indicates quantities associated with workflows that were started in the indicated year and month. The table covers a 13-month period to include data from the month during which the script was run.

Example table row

Yr	Mth	UniqueSiteCollections	UniqueSites	UniqueInitiators	UniqueWorkflows	Completed Workflows	UniqueApproverEmailAddresses	UniqueApproverUsernames	TotalApprovers
2015	2	1	1	4	3	6	2	1	3

Column heading descriptions

Column heading	Description
Yr	Year in which completed workflows were started.
Mth	Month in which completed workflows were started. Example: 2 (represents February)
UniqueSiteCollections	Number of unique site collections with completed workflows that are logged to the Nintex Workflow database.
UniqueSites	Number of unique sites with completed workflows that are logged to the Nintex Workflow database.
UniqueInitiators	Number of unique users used to start the workflows.
UniqueWorkflows	Number of unique workflows that completed.
CompletedWorkflows	Number of workflow instances started in the indicated month and year that were completed at the time the output file was generated.
UniqueApproverEmailAddresses	Number of unique email addresses for approvers. Note: Multiple email addresses may exist for a single username.
UniqueApproverUsernames	Number of unique usernames for approvers. Note: Multiple email addresses may exist for a single username. Reverse lookup is not supported for email addresses directly specified by users.
TotalApprovers	Number of approvers interacting with the completed workflows.

WorkflowStatistics

The WorkflowStatistics table lists identifiers for workflows run in the last 90 days and associated quantities, such as numbers of actions, initiators, and instances.

Note: Workflow names are included by default, but can be excluded from output using the excludeFields parameter when running the script.

Example table row

Workfl owID	Workfl owNa me	MaxActio nExecutio ns	MinActio nExecuti ons	AvgActio nExecuti ons	MaxDesi gnerActio ns	Unique Initiato rs	LastR unDat e	MaxRunDu rationSeco nds	MinRunDur ationSecon ds	TotalInst ancesR un
72f17 400- 8db4- 42be- a16a- a3197 ccee2 77	CRM Lead Creati on	26	26	26	35	1	2/2/2 015 21:07	662	278	385

Column heading descriptions

Column heading	Description
WorkflowID	Unique identifier (GUID) associated with the published workflow that was run in the last 90 days.
WorkflowName	Name of workflow as entered by the workflow creator. Note: If workflow names are considered sensitive information, you can exclude them from output files using the excludeFields parameter.
MaxActionExecutions	Maximum number of actions executed when workflow is executed. Note: Larger maximums are indicated when actions exist within a loop in the workflow logic.
MinActionExecutions	Minimum number of actions executed when workflow is executed.
AvgActionExecutions	Average number of actions executed when workflow is executed.
MaxDesignerActions	Number of actions that exist in the workflow. Note: This number does not correspond to the workflow path followed in the executions.
UniqueInitiators	Number of unique users used to start the workflow.
LastRunDate	Date and time at which the workflow was last started.
MaxLastRunDurationSeconds	Run length in seconds of the longest running instance of the workflow.
MinLastRunDurationSeconds	Run length in seconds of the shortest running instance of the workflow.
TotalInstancesRun	Number of times that the workflow was started in the last 90 days.