

DSS042 - How to read or export data from UIHistory

Last updated by | Vitor Tomaz | Jun 8, 2022 at 5:32 AM PDT

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Issue

Once in awhile customers ask about how to export/read data from UIHistory.

Investigation/Analysis

The following CTE can help customers make sense of the information stored in [dss].[UIHistory]

```

WITH UIHistory_CTE ([completionTime], SyncGroupName, DatabaseName, OperationResult, Seconds, Upload, UploadFailed, Download, DownloadFailed, Error)
AS (
SELECT ui.[completionTime], sg.[name] SyncGroupName, ud.[database] DatabaseName, ui.[detailEnumId] OperationResult,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[1]', 'nvarchar(max)') as Seconds,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[2]', 'nvarchar(max)') as Upload,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[3]', 'nvarchar(max)') as UploadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[4]', 'nvarchar(max)') as Download,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[5]', 'nvarchar(max)') as DownloadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[6]', 'nvarchar(max)') as Error
FROM [dss].[UIHistory] AS ui WITH (NOLOCK)
INNER JOIN [dss].[syncgroup] AS sg WITH (NOLOCK) on ui.syncgroupId = sg.id
INNER JOIN [dss].[userdatabase] AS ud WITH (NOLOCK) on ui.databaseid = ud.id
WHERE ui.[detailEnumId] = 'SyncSuccess' AND ud.[server] = '' + $Server + '' AND ud.[database] = '' + $Database
UNION ALL
SELECT ui.[completionTime], sg.[name] SyncGroupName, ud.[database] DatabaseName, ui.[detailEnumId] OperationResult,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[1]', 'nvarchar(max)') as Seconds,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[2]', 'nvarchar(max)') as Upload,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[3]', 'nvarchar(max)') as UploadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[4]', 'nvarchar(max)') as Download,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[5]', 'nvarchar(max)') as DownloadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[6]', 'nvarchar(max)') as Error
FROM [dss].[UIHistory] AS ui WITH (NOLOCK)
INNER JOIN [dss].[syncgroup] AS sg WITH (NOLOCK) on ui.syncgroupId = sg.id
INNER JOIN [dss].[userdatabase] AS ud WITH (NOLOCK) on ui.databaseid = ud.id
WHERE ui.[detailEnumId] = 'SyncSuccessWithWarning' AND ud.[server] = '' + $Server + '' AND ud.[database] = '' + $Database
UNION ALL
SELECT ui.[completionTime], sg.[name] SyncGroupName, ud.[database] DatabaseName, ui.[detailEnumId] OperationResult,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[1]', 'nvarchar(max)') as Seconds,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[2]', 'nvarchar(max)') as Upload,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[3]', 'nvarchar(max)') as UploadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[4]', 'nvarchar(max)') as Download,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[5]', 'nvarchar(max)') as DownloadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[6]', 'nvarchar(max)') as Error
FROM [dss].[UIHistory] AS ui WITH (NOLOCK)
INNER JOIN [dss].[syncgroup] AS sg WITH (NOLOCK) on ui.syncgroupId = sg.id
INNER JOIN [dss].[userdatabase] AS ud WITH (NOLOCK) on ui.databaseid = ud.id
WHERE ui.[detailEnumId] like '%Failure' AND ud.[server] = '' + $Server + '' AND ud.[database] = '' + $Database
UNION ALL
SELECT ui.[completionTime], sg.[name] SyncGroupName, ud.[database] DatabaseName, ui.[detailEnumId] OperationResult,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[1]', 'nvarchar(max)') as Seconds,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[2]', 'nvarchar(max)') as Upload,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[3]', 'nvarchar(max)') as UploadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[4]', 'nvarchar(max)') as Download,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[5]', 'nvarchar(max)') as DownloadFailed,
CAST (ui.detailStringParameters as XML).value('(/ArrayOfString/string/node())[6]', 'nvarchar(max)') as Error
FROM [dss].[UIHistory] AS ui WITH (NOLOCK)
INNER JOIN [dss].[syncgroup] AS sg WITH (NOLOCK) on ui.syncgroupId = sg.id
INNER JOIN [dss].[userdatabase] AS ud WITH (NOLOCK) on ui.databaseid = ud.id
)
SELECT [completionTime], SyncGroupName, DatabaseName, OperationResult, Seconds, Upload, UploadFailed, Download, DownloadFailed, Error
FROM UIHistory_CTE ORDER BY [completionTime] DESC

```

Root Cause Classification

Please select the root cause associated with the original issue reported by the customer since they usually ask this as follow-up.

How good have you found this content?

