User Guide

Analysis and Repair Tool

For

Microsoft Dynamics SL

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# Introduction

This guide provides information for using the System Analysis and Repair tools for Microsoft Dynamics SL 2015 and Microsoft Dynamics SL 2018.

These Utilities for Microsoft Dynamics SL 2015 and Microsoft Dynamics SL 2018 will perform a system analysis against a Microsoft Dynamics SL Company in preparation for a migration to **Microsoft Dynamics 365 Business Central**.

These utilities support the following versions:

* Microsoft Dynamics SL 2015 CU1
* Microsoft Dynamics SL 2018

This manual provides details on using the following utilities:

* **Analysis Tool (Microsoft Dynamics SL)**
* This screen is used to create a system analysis report against a Microsoft Dynamics SL Company. This report provides an overview and details of the modules being used to understand what information could be migrated.
* **Repair Tool** **(Microsoft Dynamics SL)**
* This screen is used to validate Microsoft Dynamics SL data to identify any issues for repair before performing the online tool to migrate Microsoft Dynamics SL data to Microsoft Dynamics Business Central. This includes automated fixes to the Microsoft Dynamics SL data.

MC900434750[1] **Important Note**

In order to successfully run the tools included, a user must have access to log into the SQL database either through Windows authentication or SQL login (sa user).

# Performing a System Analysis

## Overview

The System Analysis process analyzes data in various modules. This includes reviewing module usage, counting records in master tables, and counting records in document/transaction tables in various module-related tables. This provides an overview and details of the modules being used to understand what information could be migrated.

Currently, the System Analysis process analyzes data in the following Dynamics SL modules:

* General Ledger
* Accounts Payable
* Accounts Receivable
* Cash Manager
* Inventory
* Bill of Material
* Purchasing
* Requisitions
* Order Management
* Project Controller
* Flexible Billings
* Time and Expense for Projects
* Service Dispatch
* Service Contracts
* Shared Information
* Multi-Company
* Currency Manager

## Perform System Analysis

Follow the steps below to run and use the Repair Tool screen to verify data.

1. Complete the installation process before proceeding.
2. Click on the **System Analysis Tool** (Microsoft Dynamics SL) – SLSAT00.exe to open the screen.
3. **Database Connection tab**

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**System Analysis Tool** – Database Connection tab – Prior to entering connection information

Fields, buttons, and descriptions

**SQL Server Name** Enter the name of the SQL Server name where the Dynamics SL database is installed.

**Authentication** Select the type of Authentication that is being used to connect to the Dynamics SL database

* Windows Authentication
* SQL Server Authentication

Login ID

Password

**System Database** Enter the name of the Dynamics SL System Database

**Connect button**  Once the SQL Server, Authentication, and System database are entered,

Click the Connect button

Status field

Not Connected - The tool is not connected to the Dynamics SL database

Connected - The tool is connected to the Dynamics SL database

**Select Company**  Once the Status field displays Connected, click the drop-down box to

choose a Dynamics SL company

Fields in Red / bolded are required to be filled in before starting the validation process

Enter data into these fields in the order from top to bottom.

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1. Analyze Tab
2. A screenshot of a computer

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Follow the steps below to perform a system analysis against the logged-in company.

1. Perform System Analysis button Starts the System analysis process
2. View Analysis Report button View the results of the last System Analysis report

It only displays the latest report.

1. Last Run Date: The date the report was run last.

It can be run at any time.

1. **Export folder path** Enter the location to save the System Analysis report
2. Review the Event Log to verify no errors were encountered. The Event Log can be accessed from the Event Log Viewer (95.290.00) screen. The Event Log Viewer is located under Administration | System Manager | Utilities.
3. Analysis report

The View Analysis Report button will be enabled after performing a System Analysis. The System Analysis Report displays the results of the System Analysis. The report is grouped by module and includes sections for Module Usage, Master Table Counts, Document/Transaction Counts, and Data Integrity Checks.

1. Scroll through the report to view information on the Microsoft Dynamics SL Report

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1. Close the Event Log and the Event Log Viewer screen when finished.

# Repair Tool

## Overview

The Repair Tool is designed to verify General Ledger, Accounts Payable, and Accounts Receivable, Inventory, Purchasing, Sales Order and Project data are ready for migration to Microsoft Dynamics 365 Business Central. This includes verifying posted GL accounts, Customer, and Vendor balances, along with open AP and AR documents. The Repair Tool will also clean up certain “orphaned” data that is missing key values.

* Modules include:
  + General Ledger
  + Accounts Payable
  + Accounts Receivable
  + Inventory
  + Purchasing
  + Sales Order
  + Project Controller

## Suggested steps to run this tool

The tabs are in the order that we suggest that you run them.

Based on which modules are installed, you should select to run the Validate for each module starting from the left and going to the right.

## Repair Tool

Follow the steps below to run and use the Repair Tool screen to verify data.

1. Verify that a restorable backup of both databases exists before installing the repair tools
2. Complete the installation process before proceeding.
3. Verify that the scripts to turn on the Change Tracking have been completed.
4. Click on the **Repair Tool** (Microsoft Dynamics SL) – SLMPT00.exe to open the screen.
5. **Database Connection tab**

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**Repair Tool –** **Database Connection tab** - Before entering connection information.

Fields in **Red** are required to be filled in before starting the validation process.

|  |  |
| --- | --- |
| **Fields** | **Descriptions** |
| **SQL Server Name** | Enter the name of the SQL Server name where the Dynamics SL database is installed. |
| **Authentication** | Select the type of Authentication that is being used to connect to the Dynamics SL database.  - Windows Authentication  - SQL Server Authentication  - Login ID  - Password |
| **System Database Connect Button** | Enter the name of the Dynamics SL System Database **Connect button**.Once the SQL Server, Authentication and System database are entered, click the **Connect** button. |
| **Status field** | Not Connected - The tool is not connected to the Dynamics SL database.  Connected - The tool is connected to the Dynamics SL database. |
| **Select Company** | Once the Status field displays Connected, click the drop-down box to choose a Dynamics SL Company. |
| **Event Log Destination** | Enter the location to save the Event Logs created during the validation process. |

Enter data into these fields in the order from top to bottom.

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**Repair Tool**

**Database Connection** tab – After entering connection information

|  |  |
| --- | --- |
| **Fields** | **Descriptions** |
| **Company ID** | Displays the Company that is selected in the Database Connection tab |
| **Fiscal Year** | Displays the current Fiscal year for the company selected |

1. **Summary** tab

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The **Summary** tab provides an overall status of the Repair Tool process.

|  |  |
| --- | --- |
| **Fields** | **Descriptions** |
| **Modules** | Lists the Dynamics SL modules that are being validated. |
| **Errors** | Lists the total number of Errors found when the validation process was run on  the module-specific tab during the validation process.  Errors should be corrected before starting the Microsoft Dynamics SL Migration Tool. |
| **Warnings** | Lists the total number of Warnings found when the validation process was run  on the module-specific tab during the validation process.  Warnings should be reviewed and corrected before starting the Microsoft Dynamics SL Migration tool. |
| **Completed** | The Completed check box is set to “selected” when the Validate process has been run, and no Errors were found. |
| **Current Period** | Displays the current period for the module. All modules should be in the same period prior to starting the Microsoft Dynamics SL Migration Tool. |
| **Total XXX** | Lists the total number of master records for each module. Examples: General Ledger – Total Accounts, Accounts Payable – Total Vendors |
| **Active YYY** | Lists the total number of active master records for each module. Examples: General Ledger – Active Accounts, Accounts Payable – Active Vendors |
| **Open Event Log** | Click the Open Event Log button to open the latest Event Log |

1. **Project Controller** tab

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The **Project Controller** tab provides an overall status of the Repair tools process.

|  |  |
| --- | --- |
| **Buttons, Fields** | **Descriptions** |
| **Validate button** | Clicking on the Validate button will start the validation process for the Project Controller module. |
| **Last Validated** | Records the date that the validation process was run for the module. |
|  | Note: The validation process can be run multiple times. The Event Log that will be displayed will be the Event Log from the last time the validation process was run.  To view previous Event Logs, navigate to the Event Log folder. |
| **Errors** | Lists the total number of Errors found when the validation process was run on  the module-specific tab during the validation process.  Errors should be corrected before starting the Microsoft Dynamics SL Migration tool. |
| **Warnings** | Lists the total number of Warnings found when the validation process was run  on the module-specific tab during the validation process.  Warnings should be reviewed and corrected before starting the Microsoft Dynamics SL Migration tool. |
| **Completed** | The Completed check box is set to “selected” when the Validate process has been run, and no Errors were found. |
| **Current Period** | Displays the current period for the module |
| **Open Event Log** | Click the Open Event Log button to open the latest Event Log |

1. **Sales Order** tab

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1. **Inventory** tab

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1. **Accounts Payable** tab

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1. **Purchasing** tab

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1. **Accounts Receivable** tab

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1. **General Ledger** tab

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Overview of the queries being performed with the Repair tool: