



Dataverse Manager

Dataverse **Manager**

Solution & Record Comparison Tool

The screenshot displays the 'Dataverse Manager' web application interface. On the left is a navigation sidebar with the following items: Dashboard, User, Add User, Users, Connection, Add Connection, Connections, Workspace, Add Workspace, Workspaces, Tools, Comparer (highlighted), Solution Layer, Scheduled Task, Flow Monitoring, and Record Compare. The main content area is titled 'Comparer' and contains the following elements:

- Parameters:** Workspace (DataverseLink), Source Connection (DVLink Test), Target Connection (DVLink Prod), and Comparer (Entity).
- Solution ?:** Search input containing 'DVLink' with a search icon.
- Entities ?:** Search input with a search icon, a 'Reset' button, and a 'Compare' button.
- Entity List:** A table showing search results for 'DVLink':

Entity Name	Version
DVLink	1.2.0.18
Upgrade of DVLink	
Created By	Hüseyin Zengin
Modified By	Hüseyin Zengin
- Show Differents:** A toggle switch that is currently turned on.
- Comparison Table:** A table comparing 'SOURCE' and 'TARGET' data.

SOURCE	TARGET
No of Components 19	No of Components 19
No of Managed Components 19	No of Managed Components 19
No of Unmanaged Components 0	No of Unmanaged Components 0
- Summary Row:** A row with 'SOURCE' on the left and 'TARGET' on the right.

What is Dataverse Manager?

DataverseManager is a streamlined comparison tool designed to detect and highlight crucial differences in solution components and entity records between two Dataverse environments, facilitating faster, quality-assured deployments.



Solution Components Comparison



Entity Record Comparison

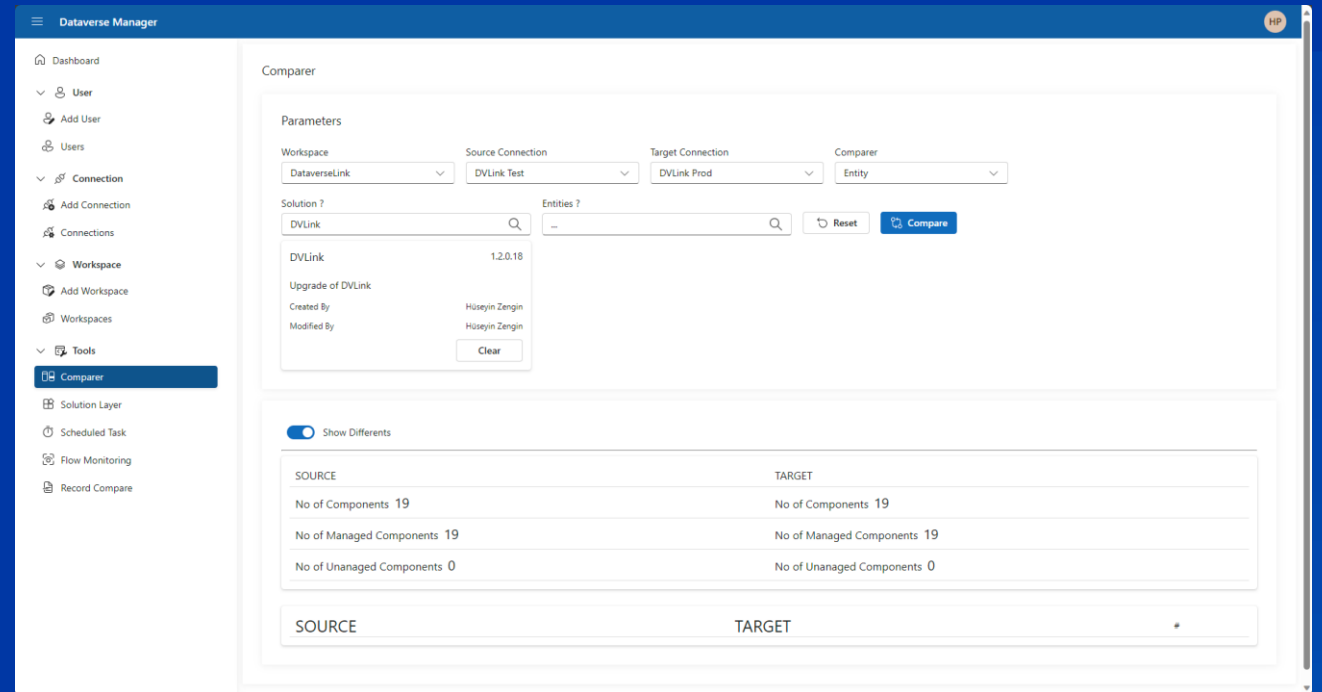


Power Automate Flow Monitoring



Schedule Jobs

Bonus Feature: Solution Layer Check



Solution Components Comparison

Component Comparison will help you pre and post solution deployments across Dataverse environments.

- Action
- Business Process Flow
- Business Rule
- Entity
- Form
- Plugin Assembly
- Plugin Step
- Plugin Step Image
- Workflow
- Workflow Activity

Parameters

Workspace: AGI Project | Source Connection: AGI Test | Target Connection: AGI Prod | Comparer: Entity

Solution?: AGICustomizations | Entities?: --

AGI Customizations | 1.0.0.72

Created By: Dilek Sahin | Modified By: Ece Sanbay | Clear

Show All

SOURCE	TARGET
No of Components 49	No of Components 47
No of Managed Components 46	No of Managed Components 44
No of Unmanaged Components 3	No of Unmanaged Components 3

SOURCE	TARGET	#
Application Process agi_applicationprocess	Application Process agi_applicationprocess	Detail
ESS Log agi_esslog	ESS Log agi_esslog	Detail
HumanSoft Deleted Record agi_humansoftdele	HumanSoft Deleted Record agi_humansoftdele	Detail
Expired Process expiredprocess	Expired Process expiredprocess	Detail
Applicant Additional Info hs_applicantadditio	Applicant Additional Info hs_applicantadditio	Detail
Applicant Identification hs_applicantidentifi	Applicant Identification hs_applicantidentifi	Detail
Application Result hs_applicationresult	Application Result hs_applicationresult	Detail
Bank hs_bank	Bank hs_bank	Detail
Codeable Concept hs_codeableconcept	Codeable Concept hs_codeableconcept	Detail
Data Change Request hs_datachangerequest	Data Change Request hs_datachangerequest	Detail
Dimension hs_dimension	Dimension hs_dimension	Detail
Document Type hs_documenttype	Document Type hs_documenttype	Detail
Employee Bank hs_employeebank	Employee Bank hs_employeebank	Detail
Employee Benefit hs_employeebenefit	Employee Benefit hs_employeebenefit	Detail
Employee Compensation hs_employeecompensation	Employee Compensation hs_employeecompensation	Detail
Employee Dimension hs_employeedimension	Employee Dimension hs_employeedimension	Detail
Employee Separation Request hs_employeejobtermination	Employee Separation Request hs_employeejobtermination	Detail
Employee Objective Header hs_employeeobjectiveheader	Employee Objective Header hs_employeeobjectiveheader	Detail
Data Integrity Rules hs_entitydataintegrityrule	Data Integrity Rules hs_entitydataintegrityrule	Detail
Employee Expense Header hs_exp_expenseheader	Employee Expense Header hs_exp_expenseheader	Detail
HR Request hs_hrrequest	HR Request hs_hrrequest	Detail
HR Task hs_hrtask	HR Task hs_hrtask	Detail

Details

#	Source	Target
Display Name	HR Request	HR Request
Logical Name	hs_hrrequest	hs_hrrequest
Is Customizable	true	true
Is Managed	true	true
Modified On	Jun 16, 2022 6:12 PM	Jul 12, 2023 11:53 PM
Attributes	Attribute Details	

Entity/Table Record Comparison

Record comparison tool will help you to secure important configuration or parameter across environments which will help you to reduce errors.

- ✓ Easily choose entity/tables within your environments
- ✓ Use your own fetch xml to query records
- ✓ Choose specific field to compare
- ✓ Schedule any job to act proactively

The screenshot displays the 'Record Compare' interface in Datasphere Manager. The left sidebar shows navigation options like Dashboard, User, Connection, Workspace, Tools, and Record Compare. The main area shows a comparison between 'ALEC General Parameter Templates' and 'ALEC Prod'. Summary statistics are provided: 73 records, 73 mismatches, 10 missings, and 0 guid detections. A list of entities is shown, including 'Confirmation of Residency', 'Employment Certificate', 'Experience Certificate', 'NOC Tourist Visa', 'Regular STL Only', 'STL With Loan Clause', 'Review Template', and 'Rentals' related records. Two detailed comparison views are expanded, showing columns like 'statecode', 'hs_name', 'createdon', and 'hs_typecode' with their respective match results and XML snippets for the 'hs_eligibilityfilterfetchxml' field.

Column	Match Result	Guid Detection	Source
statecode	✖	0 = Active	0 = Active
hs_name	✖	AES Experience Certificate	AES Experience Certificate
createdon	✖	02/08/2024 12:26:50	02/08/2024 12:26:50
hs_typecode	✖	1 = Core HR	1 = Core HR
hs_eligibilityfilterfetchxml	✖	<fetch version="1.0" output-format="xml-platform" mapping="logical" distinct="false"> <entity name="hs_per_personnel"> <attribute name="hs_fullname" /> <attribute name="hs_companyid" /> <attribute name="hs_personnelno" /> <attribute name="hs_personnelid" /> <order attribute="hs_fullname" descending="true" /> <filter type="and"> <condition attribute="hs_companyid" operator="eq" uiname="AES BUILDING MATERIAL TRADING" uitype="businessunit" value="BC733FBF-CF31-EE11-BD4-6045BD14CD85" /> </filter> </entity> </fetch>	<fetch version="1.0" output-format="xml-platform" mapping="logical" distinct="false"> <entity name="hs_per_personnel"> <attribute name="hs_fullname" /> <attribute name="hs_companyid" /> <attribute name="hs_personnelno" /> <attribute name="hs_personnelid" /> <order attribute="hs_fullname" descending="true" /> <filter type="and"> <condition attribute="hs_companyid" operator="eq" uiname="AES BUILDING MATERIAL TRADING" uitype="businessunit" value="BC733FBF-CF31-EE11-BD4-6045BD14CD85" /> </filter> </entity> </fetch>

Column	Match Result	Guid Detection	Source
statecode	✖	0 = Active	0 = Active
hs_name	✖	AJI RENTALS Experience Certificate	AJI RENTALS Experience Certificate
createdon	✖	02/08/2024 12:27:23	02/08/2024 12:27:23
hs_typecode	✖	1 = Core HR	1 = Core HR
hs_eligibilityfilterfetchxml	✖	<fetch version="1.0" output-format="xml-platform" mapping="logical" distinct="false"> <entity name="hs_per_personnel"> <attribute name="hs_fullname" /> <attribute name="hs_companyid" /> <attribute name="hs_personnelno" /> <attribute name="hs_personnelid" /> <order attribute="hs_fullname" descending="true" /> <filter type="and"> <condition attribute="hs_companyid" operator="eq" uiname="AJI - PAYROLL" uitype="businessunit" value="9F525A37-A46D-EE11-9AE7-6045BD6A5068" /> </filter> </entity> </fetch>	<fetch version="1.0" output-format="xml-platform" mapping="logical" distinct="false"> <entity name="hs_per_personnel"> <attribute name="hs_fullname" /> <attribute name="hs_companyid" /> <attribute name="hs_personnelno" /> <attribute name="hs_personnelid" /> <order attribute="hs_fullname" descending="true" /> <filter type="and"> <condition attribute="hs_companyid" operator="eq" uiname="AJI - PAYROLL" uitype="businessunit" value="9F525A37-A46D-EE11-9AE7-6045BD6A5068" /> </filter> </entity> </fetch>

Power Automate Flow Monitoring

Flow monitoring tool can help you to identify problems without checking each flow one by one through one single page.

- ✓ Choose multiple solutions to check
- ✓ Show all flows within solution, including; turned on, turned off and failed flows.
- ✓ Check errors based on interval, last hour, 3 hrs, 6 hrs, 12 hrs, 24 hrs, 3 day and a week.
- ✓ Alerts coming directly into your inbox

The screenshot shows the 'Dataaverse Manager' interface. On the left is a navigation menu with options like Dashboard, User, Connection, Workspace, Tools, Comparer, Solution Layer, Scheduled Task, Flow Monitoring (highlighted), and Record Compare. The main area is titled 'Flow Monitoring' and contains a 'Parameters' section with filters for Workspace (AGI Project), Connection (AGI Prod), Solutions (AGIFlows...), and Time (Last 24 Hours). Below this is a 'Selected Solutions' section for 'AGI Flows' (version 1.0.0.9), showing it was created and modified by 'Ece Sanbay'. A 'Flow Results' section displays four summary cards: 'Number of Flows' (153), 'Number of Flows Turned On' (105), 'Number of Flows Turned Off' (48), and 'Number of Flows Failed' (3). The 'Flows Details (FAILED)' section shows a table of failed flows with columns for Error, Start Date, End Date, Duration (sec), Status, Code, and #.

Error	Start Date	End Date	Duration (sec)	Status	Code	#
Action 'Delete_HR_Request' failed No object matched the query: update [AsyncOperationBase] set [StatusCode]=@StatusCode, [FriendlyMessage]=@FriendlyMessage, [ModifiedOn]=@ModifiedOn, [ModifiedBy]=@ModifiedBy, [ModifiedOnBehalfBy]=@ModifiedOnBehalfBy where ([AsyncOperationId]=@AsyncOperationId)	13/02/2024 10:35:51	13/02/2024 10:35:52	0	Failed	ActionFailed	Detail
Action 'Delete_HR_Request' failed Entity 'hs_hrrequest' With Id = 6998e622-42ca-ee11-9078-6045bd143ce3 Does Not Exist	13/02/2024 10:33:34	13/02/2024 10:33:37	3	Failed	ActionFailed	Detail
Action 'Delete_HR_Request' failed More than one concurrent Delete requests detected for an Entity 253fe128-42ca-ee11-9078-6045bd143ce3 and ObjectTypeCode 10368.	13/02/2024 10:33:34	13/02/2024 10:33:37	2	Failed	ActionFailed	Detail

This is a zoomed-in view of the 'Flow Results' and 'Flows Details (FAILED)' sections. The 'Flow Results' section shows: 'Number of Flows' (30), 'Number of Flows Turned On' (24), 'Number of Flows Turned Off' (6), and 'Number of Flows Failed' (2). The 'Flows Details (FAILED)' section shows a table of failed flows.

Error	Start Date	End Date	Duration (sec)	Status	Code	#
Action 'Get_Last_Approved_Employee_2' failed The 'inputs.parameters' of workflow operation 'Get_Last_Approved_Employee_2' of type 'OpenApiConnection' is not valid. Error details: The resolved string values for the following parameters are invalid, they may not be null or empty: 'recordId'	13/02/2024 10:17:37	13/02/2024 10:18:01	24	Failed	ActionFailed	Detail
Action 'Get_Last_Approved_Employee_2' failed The 'inputs.parameters' of workflow operation 'Get_Last_Approved_Employee_2' of type 'OpenApiConnection' is not valid. Error details: The resolved string values for the following parameters are invalid, they may not be null or empty: 'recordId'	13/02/2024 10:16:37	13/02/2024 10:16:40	2	Failed	ActionFailed	Detail

Schedule Jobs and Send Emails

Schedule function is working for Power Automate Flow monitoring and Entity/Table Record comparison feature.

- ✓ Choose multiple solutions to check
- ✓ Show all flows within solution, including; turned on, turned off and failed flows.
- ✓ Check errors based on interval, last hour, 3 hrs, 6 hrs, 12 hrs, 24 hrs, 3 day and a week.
- ✓ Alerts coming directly into your inbox

The screenshot shows the 'Datasphere Manager' interface. On the left is a navigation menu with options like Dashboard, User, Connection, Workspace, Tools, and Scheduled Task (highlighted). The main area displays the configuration for a 'Scheduled Task' named 'Monitor AGI Flows'. The task is set to run every 1 day at 08:30. It is configured for the 'AGI Project' workspace and 'AGI Prod' connection, monitoring 'AGI Flows...' solutions. A 'Selected Solutions' section shows 'AGI Flows' version 1.0.0.9. Below this, there are fields for 'Created By' and 'Modified By' (both 'Ece Sanbay'), an email field with 'agiproject@genbil.com', and an 'Exclude Flows' section with 'Employee Interview Custom Fields Set Automated...'. There are also radio buttons for 'Only Error Notify?' (Yes/No) and 'Is Active?' (Active/Deactive), and a 'Save' button.

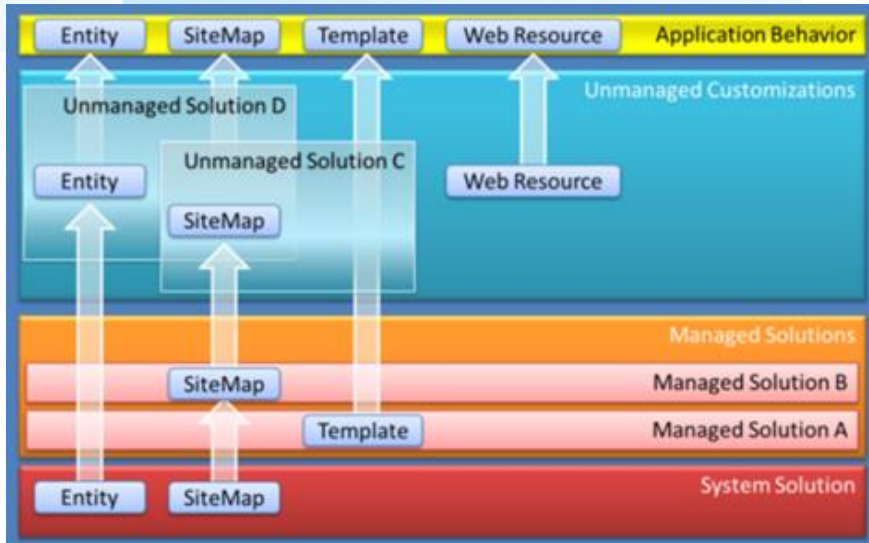
The screenshot shows an email alert titled 'Flow Analysis | Monitor AGI Flows'. The email header includes the sender 'Alert - DVManager <alert@dvmanager.app>' and the recipient 'AGI Project'. The main content features a 'Flow Analysis' summary table and a 'Histories' table.

Number of Flows	153
Number of Flows Turned On	105
Number of Flows Turned Off	48
Number of Flows Failed - Last 24 Hours	3

Name	Owner	Error	Start Date	End Date	Duration	Status	Code	#
Notify Expense Rejected ESS	Ece Sanbay	Alert: Your Muhammet.Dinleyici@al-shurair.com connection isn't working Looks like your flow's Muhammet.Dinleyici@al-shurair.com connection needs to be signed-in again. The Connections may also require reauthentication, if multi-factor authentication has been recently enabled for your account.	02/12/2024 05:40:50+00:00	02/12/2024 11:05:20+00:00	0	Failed	ActionFailed	Detail
When a Performance ERI is added convert to PDF	HumanSoft Admin	Action 'Get_Employee_Meeting' failed Entity 'hs_personnelinterview' With id = a5e7ba76-96c9-ee11-9078-6045bd143ce3 Does Not Exist	02/12/2024 11:05:20+00:00	02/12/2024 11:05:20+00:00	0	Failed	ActionFailed	Detail
Notify Document Request Assign	HumanSoft Admin	Action 'Send_an_email_[V2]_2' failed Parameter 'To' cannot be null or empty. clientRequestId: 30924822-496e-46c0-9c1e-6a22931f4a1e	02/13/2024 05:30:14+00:00	02/13/2024 05:30:14+00:00	0	Failed	ActionFailed	Detail
Notify Document Request Assign	HumanSoft Admin	Action 'Send_an_email_[V2]_2' failed One or more recipients are invalid. clientRequestId: a72b7cabd23c	02/13/2024 05:30:09+00:00	02/13/2024 05:30:10+00:00	1	Failed	ActionFailed	Detail
Notify Document Request Assign	HumanSoft Admin	Action 'Send_an_email_[V2]_2' failed Parameter 'To' cannot be null or empty. clientRequestId: 3ce94d9a-e3b0-4851-841a-27e527c498a9	02/13/2024 02:59:15+00:00	02/13/2024 02:59:15+00:00	0	Failed	ActionFailed	Detail
Notify Document Request Assign	HumanSoft Admin	Action 'Send_an_email_[V2]_2' failed Parameter 'To' cannot be null or empty. clientRequestId: c7007fcd-e9e1-4da7-8b4d-9fc6c4e491f	02/13/2024 02:59:04+00:00	02/13/2024 02:59:05+00:00	1	Failed	ActionFailed	Detail
Notify Document Request Assign	HumanSoft Admin	Action 'Send_an_email_[V2]_2' failed Parameter 'To' cannot be null or empty. clientRequestId: cd772bae-3a6e-472c-9a88-d02bd60da228	02/12/2024 13:39:53+00:00	02/12/2024 13:39:54+00:00	0	Failed	ActionFailed	Detail
Notify Document Request Assign	HumanSoft Admin	Code: ActionFailed, Message: An action failed. No dependent actions succeeded.	02/12/2024 13:39:49+00:00	02/12/2024 13:39:50+00:00	0	Failed	ActionFailed	Detail

Bonus Feature: Solution Layer Check

If you are using same component across multiple solutions, you might see this solution layering challenge. DVManager can easily identify the solutions on specific component.



Dataverse Manager

Dashboard

User

- Add User
- Users

Connection

- Add Connection
- Connections

Workspace

- Add Workspace
- Workspaces

Tools

- Comparer
- Solution Layer**
- Scheduled Task
- Flow Monitoring
- Record Compare

Solution Layer

Workspace: GAC Project | Connection: GAC Test | Component Type: Workflow | Solutions: HumanSoftProcesses, HumanSoftProcesses_Patch_

Selected Solutions

Component Name	Version	Created By	Modified By	Action
HumanSoftProcesses	3.7.0.0	HumanSoft Admin	HumanSoft Admin	Remove
HumanSoftProcesses	3.7.0.7	Humansoft Consultant4	Humansoft Consultant4	Remove
HumanSoftProcesses	3.7.0.11	HumanSoft Admin	HumanSoft Admin	Remove
HumanSoftProcesses	3.7.0.5	Humansoft Consultant4	Humansoft Consultant4	Remove

Reset | Filter

Show Solution Layer

Number of Component	Number of Solution Layer
450	12

Display Name	Name	Solution Layer
AddOrganizationData	AddOrganizationData	Remove Solution Layer
ApproveHRRequestAction	ApproveHRRequestAction	Remove Solution Layer
DragAndDropNode	DragAndDropNode	Remove Solution Layer
Employee Leave Information - Total Duration Control	Employee Leave Information - Total Duration Control	Remove Solution Layer
GetEmployeeEOHAction	GetEmployeeEOHAction	Remove Solution Layer
Primary Identification Expiry Date Control	Primary Identification Expiry Date Control	Remove Solution Layer
Set Employee Unit HRBP	Set Employee Unit HRBP	Remove Solution Layer
SET_EMPLOYEE_NEXT_BIRTH_DATE	SET_EMPLOYEE_NEXT_BIRTH_DATE	Remove Solution Layer
Start Approval Process - Employee Cancel Leave Request	Start Approval Process - Employee Cancel Leave Request	Remove Solution Layer
Start Approval Process - Leave Modification	Start Approval Process - Leave Modification	Remove Solution Layer
Employee Leave Right - Set Remaining	Employee Leave Right - Set Remaining	Remove Solution Layer
Leave Right Ledger - Trigger Employee Leave Right (Rollup Field)	Leave Right Ledger - Trigger Employee Leave Right (Rollup Field)	Remove Solution Layer



Dataverse Manager

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Solution & Data Comparer

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