ActiveDiscover -Release Notes

1.20 — Last update: 10 January 2024

Basis Technologies

Table of Contents

1. Introduction	. 3
2. SAP Certification	. 4
3. Features & Enhancements	. 5
4. Bug Fixes	10

1. Introduction

ActiveDiscover 1.20 was released in December 2023.

Previous releases of ActiveDiscover are detailed in separate Release Notes.

• <u>ActiveDiscover 1.10</u> (released September 2023)

Each ActiveDiscover version is currently supported by Basis Technologies until 2 new versions (*n* + 2 concept) are made available. For example, ActiveDiscover 1.20 will be out of maintenance once ActiveDiscover 1.30 and ActiveDiscover 1.40 are released. The anticipated duration between the current ActiveDiscover version and the release of 2 new ActiveDiscover versions is between 6 to 12 months. Please refer to the Product Maintenance document for details of out of support versions.

2. SAP Certification

ActiveDiscover is an SAP certified solution with the following certifications.

- Certified for deployment on SAP S/4HANA Cloud, private edition, release 2022 via the SAP integration scenario Add-On Deployment for RISE with SAP (Report number #21443).
- Certified for deployment on SAP NetWeaver 7.50 via the SAP integration scenario Add-On Deployment for SAP NetWeaver (Report number #21444).
- Compatible with SAP S/4HANA.
- Compatible with SAP S/4HANA Cloud, private edition.
- Works with RISE with SAP.
- Integration with SAP NetWeaver 7.50.
- SAP Solution Manager Ready functionality.

All ActiveDiscover SAP components exist within Basis Technologies' own '/BTI/' namespace. Some other Basis Technologies' products that are used in conjunction with ActiveDiscover exist within a separate '/BTR/' namespace.

3. Features & Enhancements

ActiveControl integration

ActiveDiscover 1.20 enables ActiveControl 9.20 to display impact score information for projects, business tasks and transports.



Figure AD-01a: ActiveDiscover impact assessment score in ActiveControl Business Task as a Gauge chart

庨 GI	Slobal View ▼ TOM2 Q Q Q T ₄ ⑦ M									
J≣	↑ ⁻ Vi	ew By Project and	d Task 🗸 🗸	Search		Q 1, ~	⁄ ∑ [≡] (0	ئې 🖨	×
XD1 - X	(D1 - XD1 AD Source: Test Queue									
∽ AD p	oroject									
		Reference	Subject	Group	Туре	Deployment Status	Status			
	~	ACAD Very High	ACAD Very High	Application Releas e Auto (BT)	Workbench (BT)		▲ Dormant TR	Impact Score	2 106	
		Request	Description	Group	Transport Type	Released	Owner		Status	
		A XD1K900283	TR Med Tran	Agile Release Management	Business Change	e 26 Oct 2023, 01:51:29	SWARAN (SWARA	AN)	Dormant TR Impact Score	
		XD1K900322	Very High Impact 2	Agile Release Management	Business Change	Not Released	RPRAJAPATI (RPI	RAJAPATI)	🖉 Impact Score	9 0
	~	BT3 Low Impact	Low Impact	Application Releas e Auto (BT)	Business Change (BT)		Impact Score 40			
		Request	Description	Group	Transport Type	Released	Owner		Status	
		XD1K900352	TR Low Tran	Application Release Auto	Business Change	e 10 Nov 2023, 21:26:17	RPRAJAPATI (RPI	RAJAPATI)	Impact Score	4

Figure AD-01b: ActiveDiscover impact assessment score in ActiveControl Global View as a RAG status

Application area impact details

The dashboard card for impact on application areas now includes a "View Details" button which takes the user to a dedicated page that displays all impacted application areas along with a Sankey diagram that shows the hierarchy of impacted areas, weighted either by number of objects, or by impact score.

D	ActiveDiscover						GF GFA	ARKAS 🖵 XC1
d)	Home System Landscapes Analysis Runs	Analysis Runs / Support Package Test Run / Application Areas Application areas impacted			K	Back to Dashboard Default Vi	ew	~
	System Comparison Settings	System Landscape: Derrick	Analysis Source: (@SAPK-02101INOTEXTRM)					
			9.57%	Object # Impact			Unknown	
				CA	CAGIF	Cross-	Application Components CA-EUR CA-GTF-BS ssion Management (ICM) FF-CA	
			2.49%	K	15.M	591	Financial Accounting SLI-LEG IS-HMED IS-MAD IS-H19D IS-01, SPA IS-01, SPA	
				FS BC FC	n Brokk In File Social III (Brokken) Brokken Brokken I Gelss		Real Estate Management FIN-155MA TRACTA 1545MA ESCAMA ESCAMA AVEM ESCAMA TA ESCETES (NO	
				* The number of nodes presented on the chart has b	een limited because of the high number of impac	ted application areas.		
		Application Area V Items Found: 2,101					Go 🛛 🖓 Clear Filter	C

Figure AD-02: Application area impact details

Interface diagram for external systems

The detail page for impact on external systems now features an interface diagram that visualizes the connections between the impacted remote function modules and the external systems calling them.

A Home	Analysis Runs / exception check(01.12.2023 05:55	21.) /				
						Default View
System Landscapes	Impact on External				K Back to Dashboard	Default View 🗸
Analysis Runs	External systems (as client) impacted by the change	2				
System Comparison	System Landscape: XBD Landscape	Analysis Source:				
°₀ Settings	Created: Dec 1, 2023 05:55:31 User: PX_SUPERUSER Usage Data Period: Sep 1, 2023 - Sep 30, 2023 Impact Analysis Level: 7	6 Support Packages				
			BTI2189_ATC_00	RS_ABAP_EXPORT_COMP_PROCS_E		
			B11099_D00_00	/BTI/TE_ANALYSIS_UNIT_TEST_INT		
			BTH-L-GTFL573	/BTI/TE_TASK_CHANGE_V2		
			BTH-L-7C2F3VE	/BTI/TE_TASK_DEL		
			BTH-L-IPTPDB3	JETVTE_APPL_INITIAL_V2		
			Ø	Ø		
				NUTVIE_FORM_TARGETS_GET		
				ABTITE_FORM_CONFIGURATION_GET		
				IBTI/TE_ANALYSIS_DETAILS_GET		
				Ø		
				IBTUTE_FORM_TARGET_SAVE		
				BTUTE_TASK_CRT_V2		
				BTITE_TASK_DEFAULTS		
				Ø		
				BTI/TE_FORM_FORM_SAVE_V2		
	The number of nodes displayed has been limited	due to the high number of impacted remote fur	ction modules. View All			
				·		
	Function Module Exte	rnal System 🗸 🗸				Go 🖓 Clear Filter 🕑
	Items Found: 25					
	External System	Function Module		User Name	Usage #	
	BTH-L-1PTPDB3					

Figure AD-03: Interface diagram for external systems

Parallel processing

Both the object relationship analysis and the object comparison now leverage parallel processing, resulting in significant performance improvements.

Additionally, parameters related to parallel processing (number of background processes to be used, size of interval used to divide the work into units) are now exposed in the Settings / Advanced Settings section.

The number of background jobs can also be modified while the analysis is running by clicking on the cog icon next to the analysis progress bar in the "Active Analysis Runs" section.

	Created	Status	
	Dec 7, 2023	0% • • • • • • • • • • • • • • • • • • •	🚫 Abort 😂
2		OSE24)	PX_SUPERUSER
_ar	Settings (new	v run (05.12.2023 11:55:02) (2))	
_ar	Background Job	os for Parallel Processing —	2 + (Active: 0)
	aocapo o	oupport racidgeo	Apply Close

Figure AD-04: Parallel processing

Configurable criticality levels for critical objects

In the landscape configuration, when adding critical objects, the criticality can now be fine-tuned via setting it to "Low", "Medium", or "High", which assign different minimum impact scores for the object.

List of Critical Objects Add Item to the List				
SAP GUI Transaction 🗸	Object Name		Q Find Object	
Туре	Name		Priority	
Class (ABAP Objects)	/BTI/TE_CL_RE_AUTA	ASGMT_TESTERS	Low Medium	High
Class (ABAP Objects)	/BTI/TE_CL_TESTSCF	RIPT_BASE	Low Medium	High
Class (ABAP Objects)	/BTI/TE_CL_TESTSCF	RIPT_EXCEL	Low Medium	High

Figure AD-05: Configurable criticality levels for critical objects

Display source objects for impacted top level objects

On the detailed page for impacted top level objects, next to the object relationship icon, there is now a new option that can be used to display all source objects for an impacted object as a simple list.

Items Found: 8,356		
Туре	Object Name	Application Area
Transaction	▲ SE24 ⊚ 📜	Class Builder

Figure AD-06: Display source objects for impacted top level objects

Default value for analysis name when re-running an analysis

When re-running (copying) a completed analysis, the name of the copied analysis now defaults to a sensible value based on the original name, instead of an empty name.

System comparison dashboard

The results of a system comparison run are now displayed as a dashboard which summarizes the key information about the objects that have been analysed, and the differences that have been found.

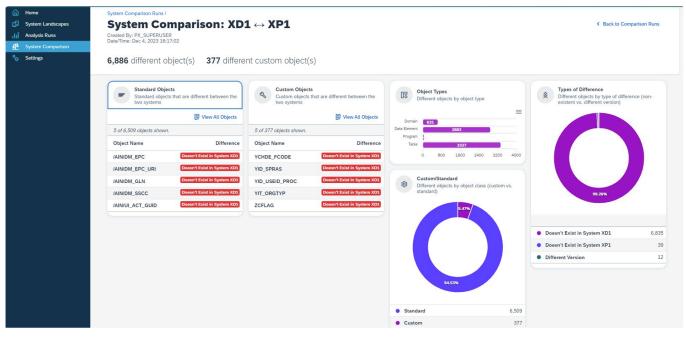


Figure AD-07: System comparison dashboard

Display all analysis settings (for audit purposes)

Now it is possible to review all settings that were used to run a particular analysis, including which analysis components were turned on, the list of critical objects and top-level object types, custom

weights, and the Failure Prediction customization.

This can be opened from the analysis dashboard by clicking on More / View Analysis Settings. (The option is not available for pre-1.2 analysis runs.)

Improvements for UI5 application analysis

Impacted UI5 applications have now been incorporated into the metric Impact on Active Users and are featured on the analysis dashboard summary.

4. Bug Fixes

The following bugs have been addressed in ActiveDiscover 1.20.

- Memory exceeded during Failure Prediction phase of analysis run.
- Loading UI is showing infinitely on Predicted Failures screen while user changes the view mode.
- Cannot return from detailed message view in Predicted Failures message dialog.
- Out of memory issue with object relationship data when collating intervals.
- Empty user group is not handled properly on the Impact on Active Users page.
- Customizing changes are not picked up by the analysis.
- Various problems with the RFC selection dialog when adding a new system to a landscape.