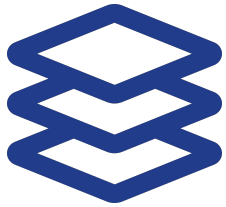# What's new in Avantra 20.2

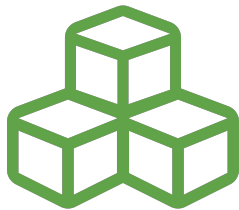# Avantra Release 20.2
At a glance

Full stack automation

Support for SaaS and web services

Native Business Objects support and more
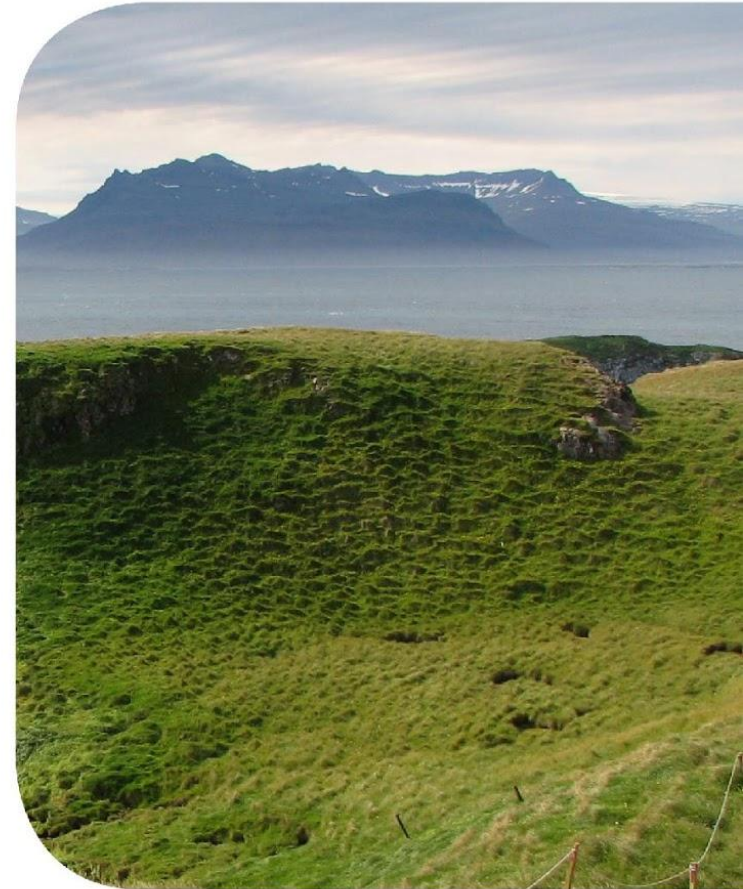
Best practice templates delivered as standard

AWS Marketplace Listing

Other improvement areas

AVANTRA

syslinkXandria becomes

AVANTRA

New Name

20.2 New Release

New Vision

AVANTRA

Full stack automation

Run operation handbooks automatically

Application server up-/outscaling

Self healing when issues occur
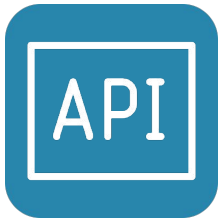
Scheduled operating system patching

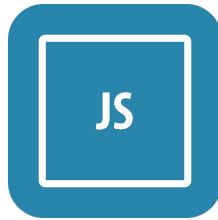**Distributed business automation**

AVANTRA

SaaS & Web Service Support

API

Support for almost any SaaS product or web service for example SAP Concur / SAP SuccessFactors / Salesforce

JS

Support for the scripting of web services using JavaScript

SCP

SAP Cloud Platform Neo supported out of the box

AVANTRA

Native SAP Business Objects Support

And more

7 checks for SAP Business Objects out of the box

Start/Stop automation support

Easy setup via URL & credentials only

Full stack start/stop automation support

SAP Application log monitoring for SaaS backend integrations

AVANTRA

Best practice templates

Avantra 20.2 continues to enhance our "preconfigured out of the box" reputation by delivering more preconfigured content.

More pre-configured examples

System Selectors, Check Selectors, Monitoring Parameter Sets, Notification Actions

Especially useful for getting deployed faster

AVANTRA

AWS Marketplace Listing

Benefits

- 20 minutes deployment (Server)

- 10 minutes deployment (n Agents)

- High-Availability solution

- Backup/Restore DR built-in

- Easy to scale up

- Leverages a dozen AWS services

AVANTRA

More Details

AVANTRA

Full stack automation

Run operation handbooks automatically

Application server up-/outscaling

Self healing when issues occur

Scheduled operating system patching

Distributed business automation

AVANTRA

Full Stack Automation

All new Workflow Automation Engine

- Sequential and parallel actions

- Flow control for error handling

- Special focus on Start/Stop automation:
  Full stack, SAP, databases, cloud VMs

- Automation Actions to do "things" in SAP (via RFC), databases (via SQL) and other systems (via command line & SSH), interact with SaaS or web services

- Linked back to monitoring: use automation for self-healing

- First time interactive dashlets for self service

- Done a lot of bits and pieces to make it a great user experience
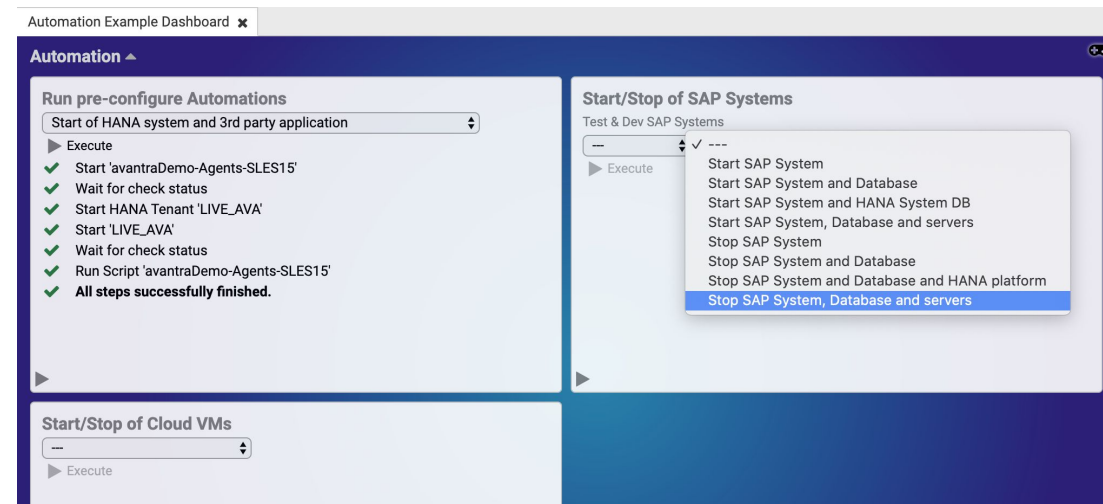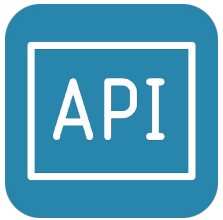
AVANTRA

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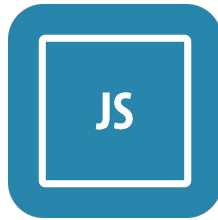
SAP Cloud Platform Neo supported out of the box

AVANTRA

Improved support for SaaS and web services

- Tremendously improving Avantra's hybrid capabilities

- Very convenient platform to tackle almost any SaaS product or web service

- More and ready to use templates to come, eg. salesForce, SAP SaaS solutions, etc.

- Usable in Monitoring & Automation

- First out of the box supported cloud service is SAP Cloud Platform Neo

- Special customer scenarios can be supported by scripting of web services using JavaScript (RUN_JS)
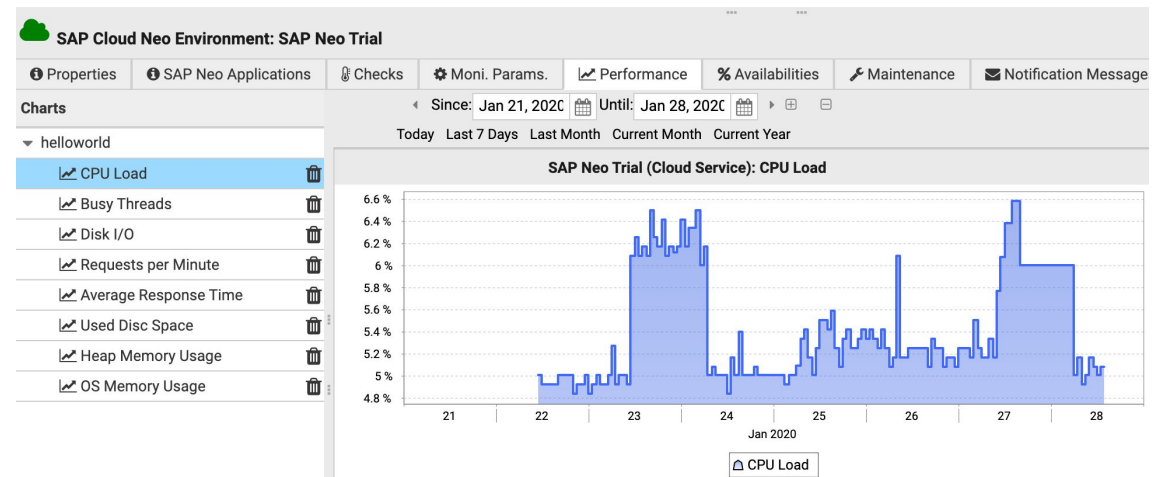
AVANTRA

Cloud Service Object

- **SAP Cloud Platform Neo** & Generic services supported

- SCP Neo: simply enter the account data and your applications

- **Generic** is used to include arbitrary web or SaaS services facilitating the API using JavaScript (Avantra *RUN_JS* custom check type)

  - 4 authentication methods supported
    SSH, Basic Authentication, OAuth using Authorization Code or Client Credentials

  - Scripts simply work on already authenticated http object and call the corresponding REST service endpoint. JSON parsing very easy in JavaScript

  - Examples available in the documentation and knowledge base

- More ready to use cloud services objects will be made available in upcoming release

Native SAP Business Objects Support

And more

7

7 checks for SAP Business Objects out of the box

Start/Stop automation support

Easy setup via URL & credentials only

Full stack start/stop automation support

SAP Application log monitoring for SaaS backend integrations

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SAP Business Objects

Native support

SAP Business Object: BOE

Properties | Checks | Moni. Params. | Availabilities | Maintenance

Apply | Monitoring Switch | Send To Agent | System: Start | Stop

SAP Business Object

* SAP Business Object	* Customer	* System Role
BOE	Avantra 20.2	Test

Description
BO 4.2 SP7 on Linux

SAP Business Object Info

Monitoring Server
mike

Base URL
http://mike:6405/biprws/

Service Name (Windows only)

Database
ANY_BOE

CMS User
Administrator

CMS User Password
••••••• Show

OS User:

SAP Business Object: BOE

Properties | Checks | Moni. Params. | Availabilities | Maintenance | Notification

All | Open | Confirm | Unconfirm | Execute Now | ☐ ☐ ☐ ☐ ☐ | More
RTM
Daily

Name	Status Age	Category	Last Checked	Result
ANY_Connections	63d	Dynamic	3m 51s	Number of connection
ANY_DBSpaces	30d	Dynamic	3m 51s	Usage of all 2 DBSpac
ANY_MessagesStat	63d	Dynamic	3m 51s	Number of messages / All are of severity INFO
ANY_TransLog	30d	Dynamic	3m 51s	Usage of translog is O Database has no trans
BO_Alive	10d 23h	Static	35s	BO_CMSConnect chec BO_Processes check DBCONNECT check is
BO_CMSConnect	10d 23h	Static	3m 51s	Connected successful
BO_JobStat	10d 23h	Static	3m 51s	0 jobs found (last 2h)
BO_Logs	48m 49s	Static	3m 51s	No critical/warning log
BO_Processes	10d 23h	Static	3m 51s	18 processes are activ
BO_Servers	10d 23h	Static	3m 51s	16 Servers are up and
DBCONNECT	63d	Dynamic	3m 51s	Successfully connecte Product Version 17.0.8
TEST_BO_JOBS	13m 51s	Custom	3m 51s	.*? : No matching jobs

AVANTRA

SAP Business Objects

- ## Is now a first class object

- ## Improved architecture: database monitoring done by a separate object but linked to the Business Objects system

- ## 7 new out-of-the box checks (not counting DB) one custom check type »SAP_BO_JOBS«

- ## Setup is simple
  ## 1. Base URL
  ## 2. CMS User & Password

- ## Start-/Stop automation available as for SAP SIDs
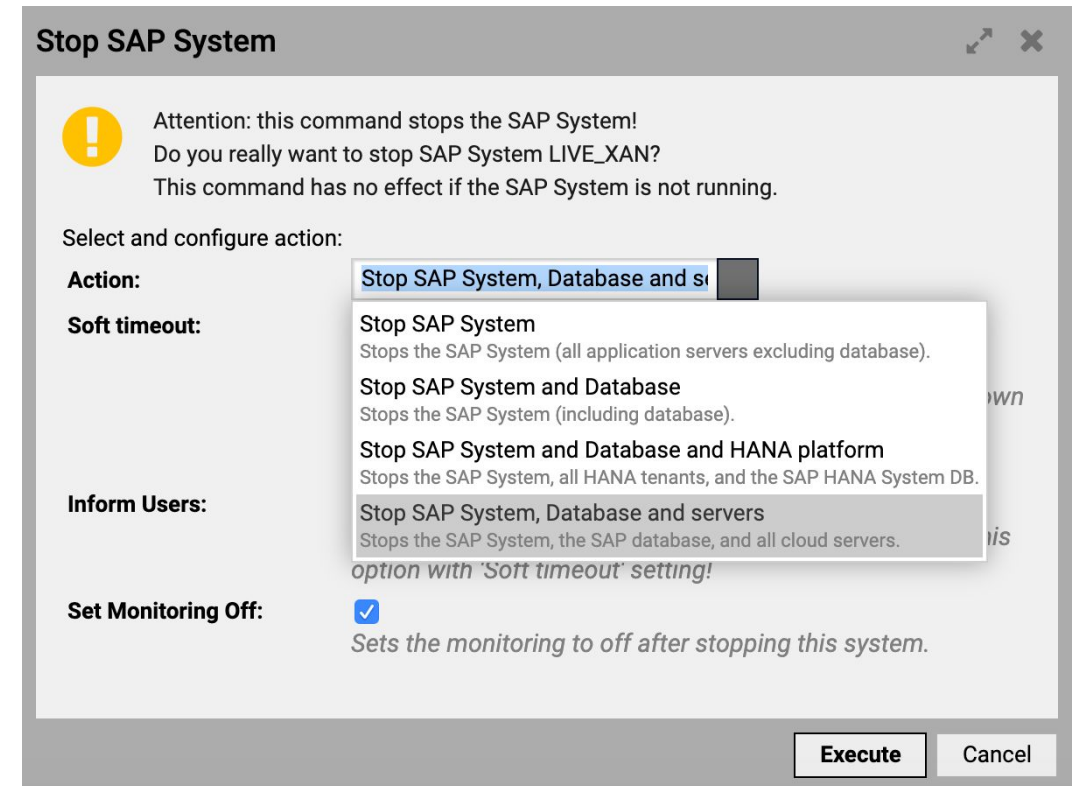
Start-/Stop Management for SAP systems

- Now covering full stack Start-/Stop including underlying database, ie.
  HANA, but as well SAP Sybase, Oracle, MS SQL Server, DB2 LUW

- Especially for HANA: choose to only affect the tenant or the whole HANA platform

- For IaaS deployed systems: underlying cloud VMs can just be stopped as well in one go or separately

- If used on the fly (Stop button on the SAP system properties), an on-the fly automation job is created

- Included handling of the monitoring switch

Stop SAP System

⚠ Attention: this command stops the SAP System!
Do you really want to stop SAP System LIVE_XAN?
This command has no effect if the SAP System is not running.

Select and configure action:

Action:	Stop SAP System, Database and s▓
Soft timeout:	

Stop SAP System
Stops the SAP System (all application servers excluding database).

Stop SAP System and Database
Stops the SAP System (including database).

Stop SAP System and Database and HANA platform
Stops the SAP System, all HANA tenants, and the SAP HANA System DB.

Stop SAP System, Database and servers
Stops the SAP System, the SAP database, and all cloud servers.

...own

Inform Users:

...is option with 'Soft timeout' setting!

Set Monitoring Off: ☑
Sets the monitoring to off after stopping this system.

Execute Cancel

AVANTRA

SAP Application log monitoring

- New custom check type SAP_ApplicationLog

- Perfect to monitor SaaS solution backend integrations, for example Concur

- Select faulty logs as you would in transaction SLG1

Custom Check: SOAP Configuration [SAP_ApplicationLog/SAP System]

Apply   Activate   Deactivate   Send To Agent   Show Checks

Properties

General

* Custom Check Name: | SOAP Configuration | ID: 393

Specific

Client:	001	Time Interval:	1440	minutes
Object:	SRT_CA			
Subobject:	CFG_FW			
External ID:				
User:				
Transaction Code:				
Program:				

Log Class:

Log Creation: Batch input / Dialog / In batch mode

Message Filter: Cancel / Error / Information / Short dump / Success message

Warning Threshold: Critical Threshold:

Details of SOAP Configuration on SA1

SOAP Configuration

Application Log(s) found in last 1440 minutes: 6

Client	Date	User	Object (Text)	Sub-object (Text)	TCode	Program	Log number	Mode	Class	Message
001	2020-02-14 08:49:07	PIV	SRT_CA (SOAP Runtime: Central Administration)	CFG_FW		POSTPONED	0000000000000006	Batch processing	4	I Started Session SystemId"SA1"
001	2020-02-14 12:49:07	PIV	SRT_CA (SOAP Runtime: Central Administration)	CFG_FW		POSTPONED	0000000000000006	Batch processing	4	I Started Session SystemId"SA1"
001	2020-02-14 18:49:07	PIV	SRT_CA (SOAP Runtime: Central Administration)	CFG_FW		POSTPONED	0000000000000006	Batch processing	4	I Started Session SystemId"SA1"
001	2020-02-14 22:49:07	PIV	SRT_CA (SOAP Runtime: Central Administration)	CFG_FW		POSTPONED	0000000000000006	Batch processing	4	I Started Session SystemId"SA1"

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Other SAP Features

- Better support for HANA system DB
  - Direct setup as stand-alone DB
  - No license required for HANA system DB
  - Link to HANA tenant of SAP system for HANA platform automation

- Java Jobs native support

- Scriptable SAP Job management
  - Simply use BAPI_XBP_* function modules in JavaScript (RUN_JS)
  - Avantra Agent implicitly logs on to the external Job management API
  - Expert feature ...

New Database

* Type:	✓ ---
	DB2
* Database Unified Name:	MSSQL
	Oracle
* Customer:	SAP DB
	SAP HANA
* System Role:	SAP SQL Anywhere
	SAP Sybase ASE
* Monitoring Server:	**SAP HANA System DB**

New   Cancel

Details of JavaJobStat on PO1

JavaJobStat

2 jobs found (last 1h)
2 jobs have completed successfully.

Name	Node	Status	Start Time ▲	End Time	User ID
CleanJob	Server 00 03_321950	COMPLETED	2020-02-15T17:50:00.016+01:00	2020-02-15T17:50:00.324+01:00	J2EE_ADM_PO1
CleanJob	Server 00 03_321950	COMPLETED	2020-02-15T18:20:00.016+01:00	2020-02-15T18:20:00.360+01:00	J2EE_ADM_PO1

AVANTRA

Best practice templates

Avantra 20.2 continues to enhance our "preconfigured out of the box" reputation by delivering more preconfigured content.

More pre-configured examples

System Selectors, Check Selectors, Monitoring Parameter Sets, Notification Actions

Especially useful for getting deployed faster

AVANTRA

AWS Marketplace Listing

Benefits

- 20 minutes deployment (Server)

- 10 minutes deployment (n Agents)

- High-Availability solution

- Backup/Restore DR built-in

- Easy to scale up

- Leverages a dozen AWS services

AVANTRA

AWS Metering Service

Fully consumption based billing on hourly base when using AWS marketplace deployment

Normal license

Avantra Pro

License Status:	🟩 OK
Status Message:	Automatic license activation successful. Last activation date: 2019-12-11 02:46
Activation:	[Request Activation Code manually] ⓘ
License Scheme:	4
License ID:	3206

Total number of licenses	# Licensed	# Active
SID - SAP System with one SAP Instance and SAP database ⓘ	200	35
Additional SAP Instances ⓘ	200	7
Stand-alone Databases ⓘ	200	15
Servers ⓘ	200	38
Cloud Service ⓘ	199	2

License Record	Valid from	Valid until	SID	Additional SAP Instance	Stand-alone Database	Server	Service Objects
Primary	2018-10-08	2020-01-15 (expires in 35 days)	200	200	200	200	199

Activation ID:	JL5ULM-XSVXUV-DVTXAZ-MAQSBE-BKBZ8J-UHY5MN-ORUSA9
Last Updated:	2019-12-11 12:18

Show Licensing Help Page
Test Auto Activation

AWS License

Avantra Pro

Your license is handled by the AWS metering service

License Status:	🟩 OK

Total number of licenses	# Active
SID - SAP System with one SAP Instance and SAP database ⓘ	0
Additional SAP Instances ⓘ	0
Stand-alone Databases ⓘ	0
Servers ⓘ	1
Cloud Services ⓘ	0
Last Updated:	2019-12-11 10:39

Show Licensing Help Page
Test Auto Activation

AVANTRA

Other improvement areas

Avantra Server renewal, New ABAP interface, New Dashlets, Documentation

Avantra 20.2 Renewal
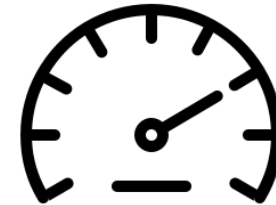
Complete re-codings

1. Avantra Server Backend: recoded alert and alive handling
2. ABAP Interface

+ new reduced minimal set of SAP permissions

Customer Benefits

Enhanced Security

Performance Improvements
> 10x on Windows Platform

Product documentation has been re-engineered and is now public available online

AVANTRA

Completely recoded ABAP interface

- Previous interface was stable for many years

- However: technology behind it was flagged for deprecation by SAP

- New ABAP code based on ABAP classes is a great foundation for the future of Avantra

- Transports have now SAP basis version dependence

- Authorizations in roles have been shrunk down to the very minimal

- Convenient upgrade procedure: old interface remains supported by Avantra 20.2 Agent

- New "V8" interface only supported by new Avantra 20.2 Agent ➡ you need to upgrade the Agent before use

- Upgrade to V8 recommended soon after the upgrade of the Agent

Object Name	Description
Class Library	
Classes	
/SYSLINK/CL_APPLOG_GET	Application Log Getter
/SYSLINK/CL_APPLOG_GET_730	Application Log Getter
/SYSLINK/CL_AUDITLOGCX_GET	Audit Log Type Getter
/SYSLINK/CL_AUDITLOG_GET	Security Audit Log (SM20) Ge
/SYSLINK/CL_AUDITLOG_GET_750	Security Audit Log (RSAU_RE
/SYSLINK/CL_AULOGCFG_GET	Audit Log Config Getter
/SYSLINK/CL_AULOGPFL_GET_750	Audit Log Profile Getter
/SYSLINK/CL_BATCHINPUT_GET	Batch Input Getter
/SYSLINK/CL_BCOMMSVCS_GET	Business Communication Ser
/SYSLINK/CL_BWPCHAINS_GET	BW Process Chains Getter
/SYSLINK/CL_BWUPLOAD_GET	BW Upload Getter
/SYSLINK/CL_CCMS_GET	CCMS ALTRAMONI Getter and
/SYSLINK/CL_CLASSINFO_GET	Class Info Getter
/SYSLINK/CL_DIALOGPERF_GET	Dialog Performance Getter
/SYSLINK/CL_ICMSTAT_GET	ICM Stats Getter

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Completely recoded ABAP interface – List of new transports

Transport	Short Text	Client Dep.
SA1K900131	Avantra Interface V8 for SAP Release 7.50	No
SA1K900142	Avantra Interface V8 for SAP Release 7.40	No
SA1K900151	Avantra Interface V8 for SAP Release 7.30	No
XANK900240	Avantra Interface V7 for SAP Release 7.20 and older	No
SA1K900149	Role for Avantra (ZAVANTRA) for SAP Release >= 7.50	Yes
SA1K900147	Role for Avantra (ZAVANTRA) for SAP Release 7.40	Yes
XANK900242	Role for Avantra (ZAVANTRA) for SAP release < 7.40	Yes

For more information, please see the documentation.

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New role with minimal set of authorizations

As few authorizations as possible as general principle

Examples:

- Whitelist on RFC function modules level (not function groups)
- Only display permissions
- Removed all unused authorizations

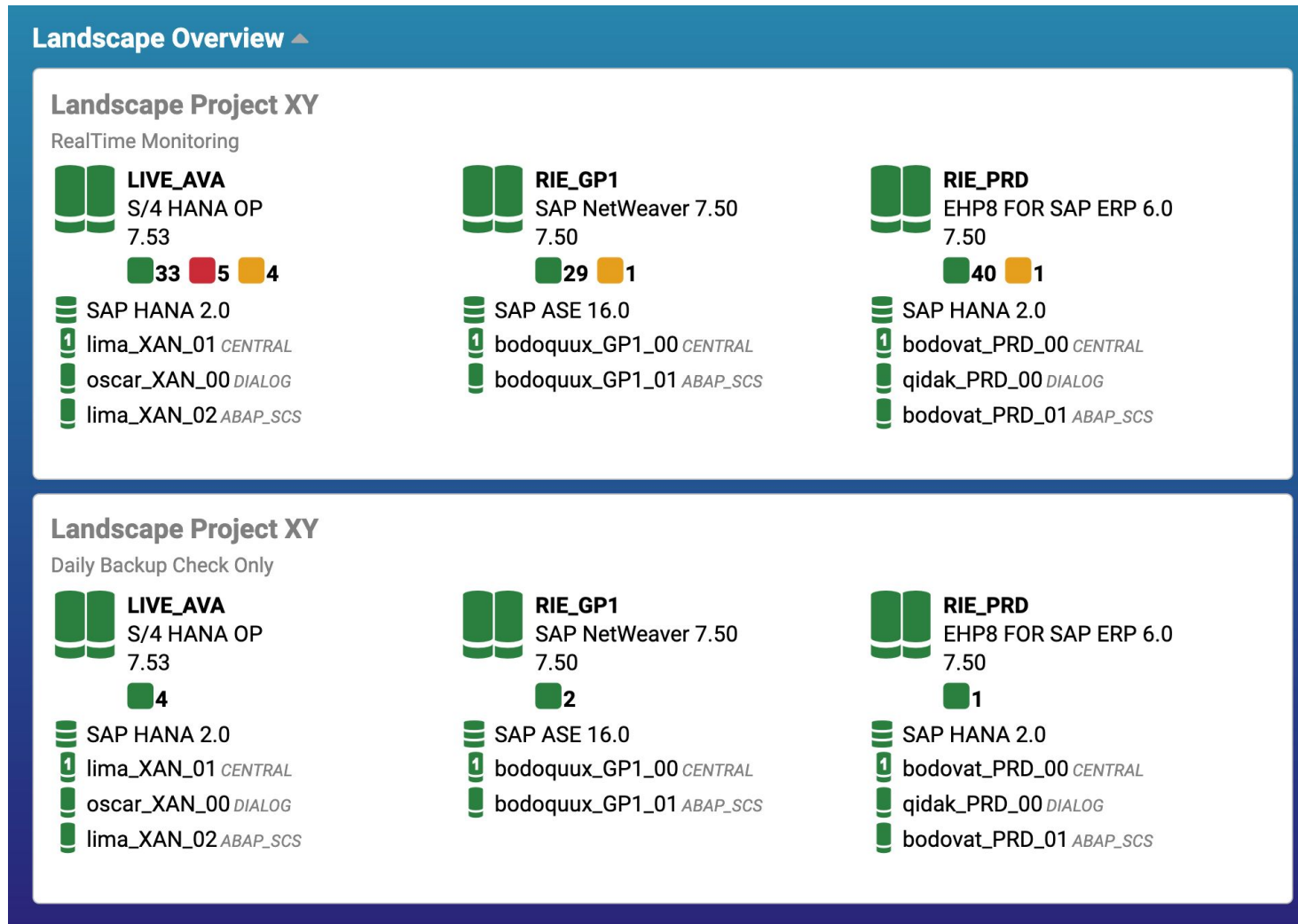Changes are very much appreciated by security auditors

Multiple System Overview Dashlet

Landscape Overview ▲

Landscape Project XY
RealTime Monitoring

LIVE_AVA
S/4 HANA OP
7.53
🟩 33 🟥 5 🟧 4
SAP HANA 2.0
1️⃣ lima_XAN_01 *CENTRAL*
oscar_XAN_00 *DIALOG*
lima_XAN_02 *ABAP_SCS*

RIE_GP1
SAP NetWeaver 7.50
7.50
🟩 29 🟧 1
SAP ASE 16.0
1️⃣ bodoquux_GP1_00 *CENTRAL*
bodoquux_GP1_01 *ABAP_SCS*

RIE_PRD
EHP8 FOR SAP ERP 6.0
7.50
🟩 40 🟧 1
SAP HANA 2.0
1️⃣ bodovat_PRD_00 *CENTRAL*
qidak_PRD_00 *DIALOG*
bodovat_PRD_01 *ABAP_SCS*

Landscape Project XY
Daily Backup Check Only

LIVE_AVA
S/4 HANA OP
7.53
🟩 4
SAP HANA 2.0
1️⃣ lima_XAN_01 *CENTRAL*
oscar_XAN_00 *DIALOG*
lima_XAN_02 *ABAP_SCS*

RIE_GP1
SAP NetWeaver 7.50
7.50
🟩 2
SAP ASE 16.0
1️⃣ bodoquux_GP1_00 *CENTRAL*
bodoquux_GP1_01 *ABAP_SCS*

RIE_PRD
EHP8 FOR SAP ERP 6.0
7.50
🟩 1
SAP HANA 2.0
1️⃣ bodovat_PRD_00 *CENTRAL*
qidak_PRD_00 *DIALOG*
bodovat_PRD_01 *ABAP_SCS*
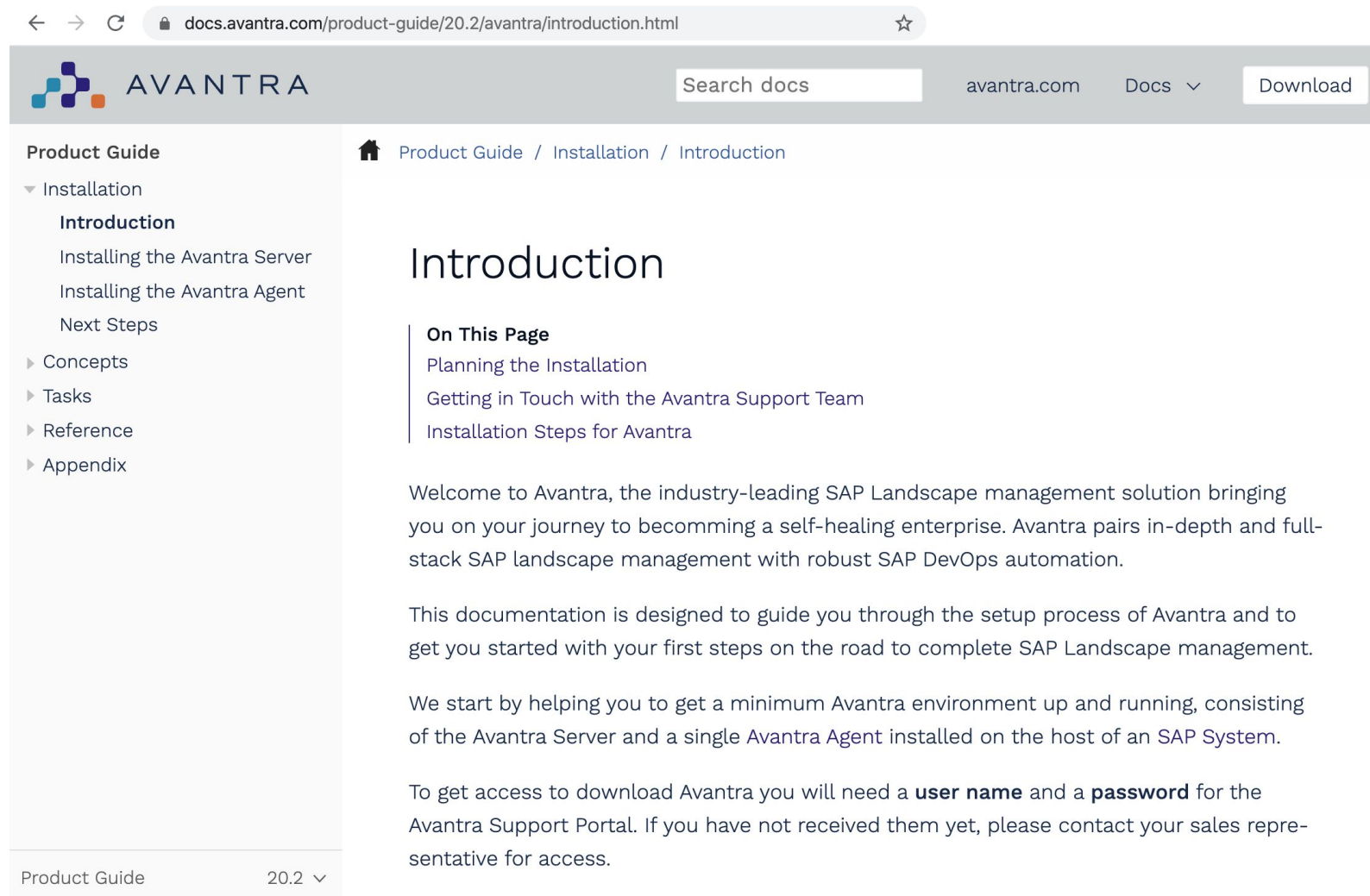
- Very easy and convenient to build via our dashboard builder
- Select Systems
- Select what you want to show (RTM, Daily, filter on specific checks only)
- Other new dashlet type: Number of systems

Number of Systems
Production

\#   55
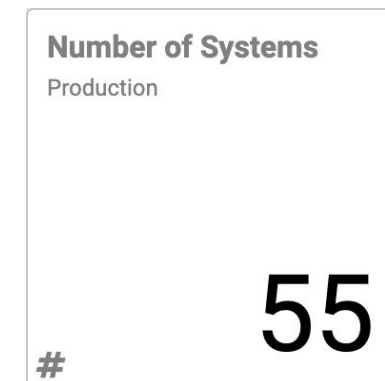
AVANTRA

Documentation now public

- Goto https://docs.avantra.com

- Documentation of all supported versions on one site

- Links in Avantra UI now link to online version

- Possible errors in documentation can be fixed independent from UI release

Upgrade Notes, Editions, Vision

Upgrade Notes

- The Avantra Agent 20.2 no longer supports HP-UX
  Customers still running HP-UX can continue to use the Agent from release 7.3

- Customers upgrading from 7.3 need to re-activate the license after an upgrade to Avantra, if your Avantra Server has no internet connectivity. See the Activation documentation.

- Direct Upgrade from 7.1 is still supported (for Syslink Xandria Server 7.1.n with n≥7)
  Make sure to request a new license first. See also Obtaining the License before the Upgrade.

- You need a Java Runtime Environment 8, 9, or 10 to run Avantra Agent 20.2.x

  - For the Avantra Server you need a 64-bit Java Runtime Environment 8, 9, or 10.
    Java 11 or higher Runtime Environments are still not supported yet.
    See also Avantra and Java.

- For the upgrade of transports, see Procedure: Import Transport Request.

AVANTRA

Editions

Table shows differences between editions only

For full comparison, please see the
release notes

Feature / Edition	Avantra	Avantra Pro
Security/Compliance Custom Checks	✗	✓
Business Services	✗	✓
JavaScript Custom Check API (RUN_JS)	✗	✓
Automation	✗	✓
Dashboards	✗	✓
Cloud Integration	✗	✓
Start/Stop Management	✗	✓
Web Services	✗	✓
SAML	✗	✓

AVANTRA

Our Vision

To be the industry leader in fully automated operations for businesses running SAP & facilitating the journey to a self-healing enterprise

AVANTRA

Our Goal

To use intelligent technology to automate SAP build and run operations and to facilitate our customers journey transforming reactive IT Operations to proactive.

AVANTRA

SAP® Certified
Integration with SAP NetWeaver®

SAP® Certified
Integration with SAP® S/4HANA