

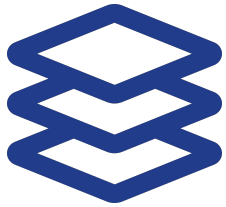


What's new in Avantra 20.2



Avantra Release 20.2

At a glance



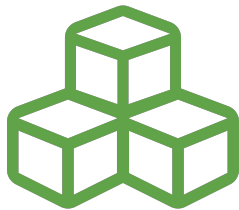
Full stack
automation



Support for SaaS
and web services



Native Business
Objects support and
more



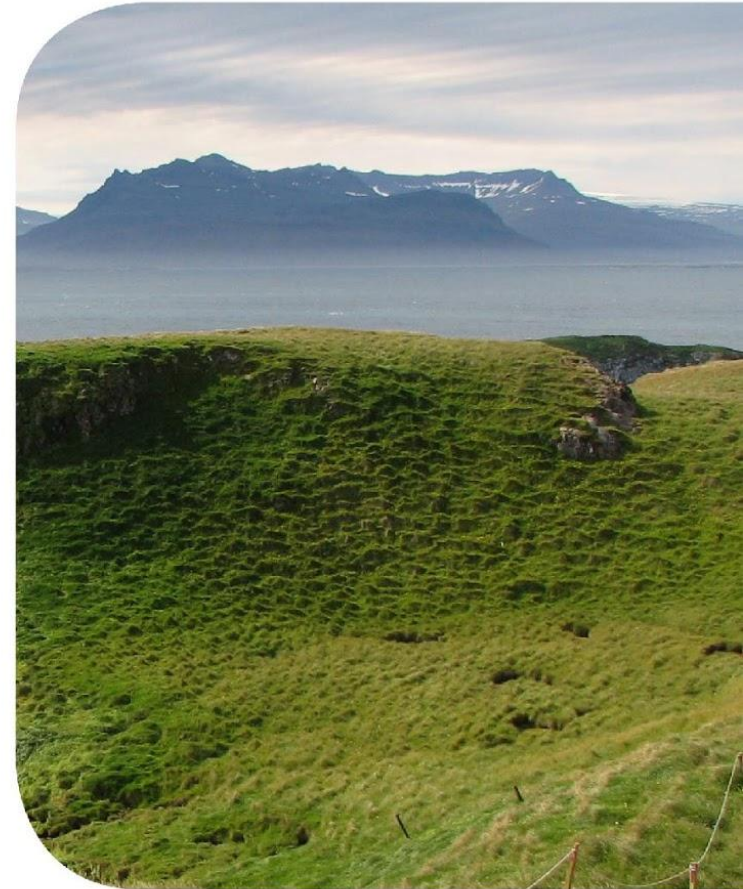
Best practice
templates delivered
as standard



AWS Marketplace
Listing



Other improvement
areas



AVANTRA

 syslinkXandria becomes



New Name



New Release



New Vision



Full stack automation



Run operation handbooks automatically



Application server up-/outscaling



Self healing when issues occur



Scheduled operating system patching

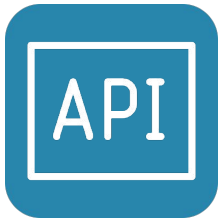


Distributed business automation

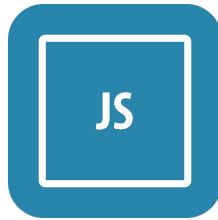


AVANTRA

SaaS & Web Service Support



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



Support for the scripting of web services using JavaScript



SAP Cloud Platform Neo supported out of the box

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


AWS Marketplace Listing



Coming Soon

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 for AWS**
By: [Syslink Group](#) Latest Version: 8.0
Avantra manages, automates, and optimizes large and complex SAP landscapes in a hybrid cloud, on-premise, or across multiple cloud platforms
Linux/Unix ☆☆☆☆☆ 0 AWS reviews

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[Overview](#) [Pricing](#) [Usage](#) [Support](#) [Reviews](#)

Product Overview

Avantra is intended to manage small to large scale SAP system environments. As more and more customers transfer SAP workloads to AWS, running Avantra itself in AWS in one of the common use cases, and with Avantra for AWS we leverage all the benefits AWS provides also for Avantra itself.

Version	8.0
By	Syslink Group
Categories	Monitoring Applications
Operating System	Linux/Unix, Amazon Linux 2.0.20190823.1
Delivery Methods	CloudFormation Template

Highlights

- Stop Running Manual Checks
- Complete SAP Landscape Visibility
- Increase Infrastructural Stability and Efficiency



More Details

Full stack automation



Run operation
handbooks
automatically



Application
server
up-/outscaling



Self healing when
issues occur

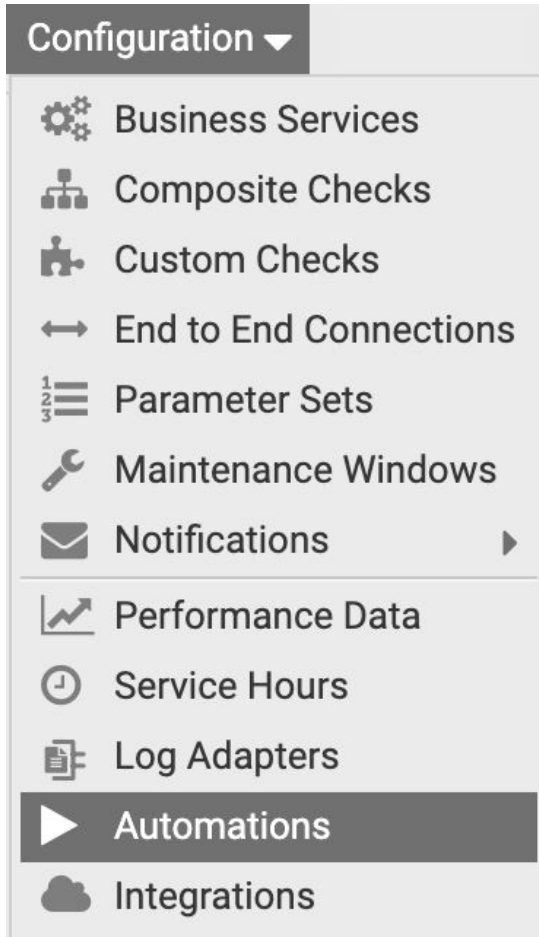


Scheduled operating
system patching



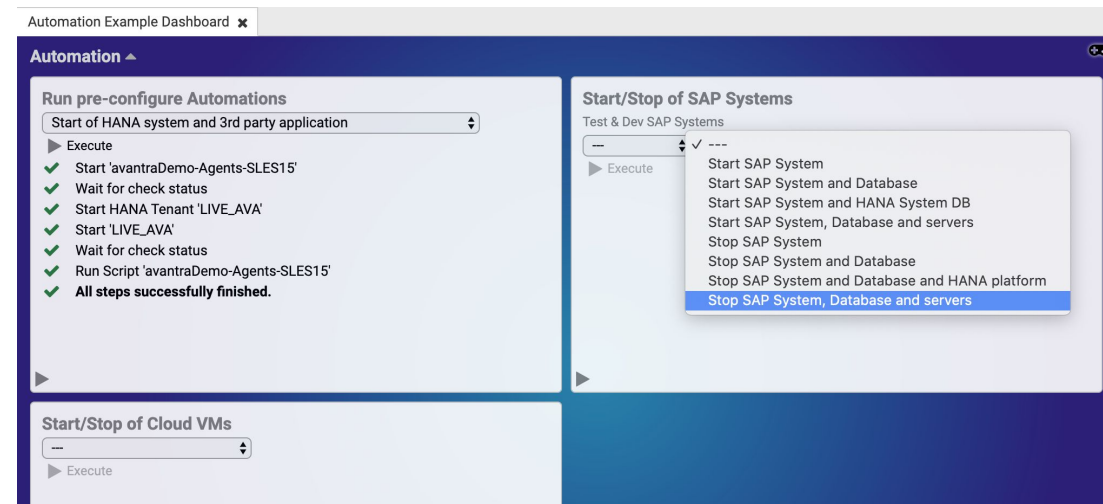
Distributed business
automation

Full Stack Automation

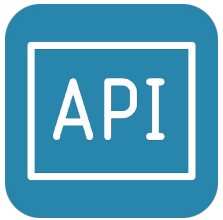


All new Workflow Automation Engine

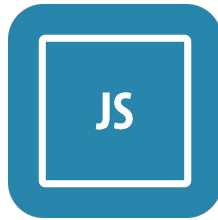
- Sequential and parallel actions
- Flow control for error handling
- Special focus on Start/Stop automation: Full stack, SAP, databases, cloud VMs
- Automation Actions to do “things” in SAP (via RFC), databases (via SQL) and other systems (via command line & SSH), interact with SaaS or web services
- 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



SaaS & Web Service Support



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



Support for the scripting of web services using JavaScript



SAP Cloud Platform Neo supported out of the box

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)

New Cloud Service

Generic Service
✓ SAP Cloud Neo Environment

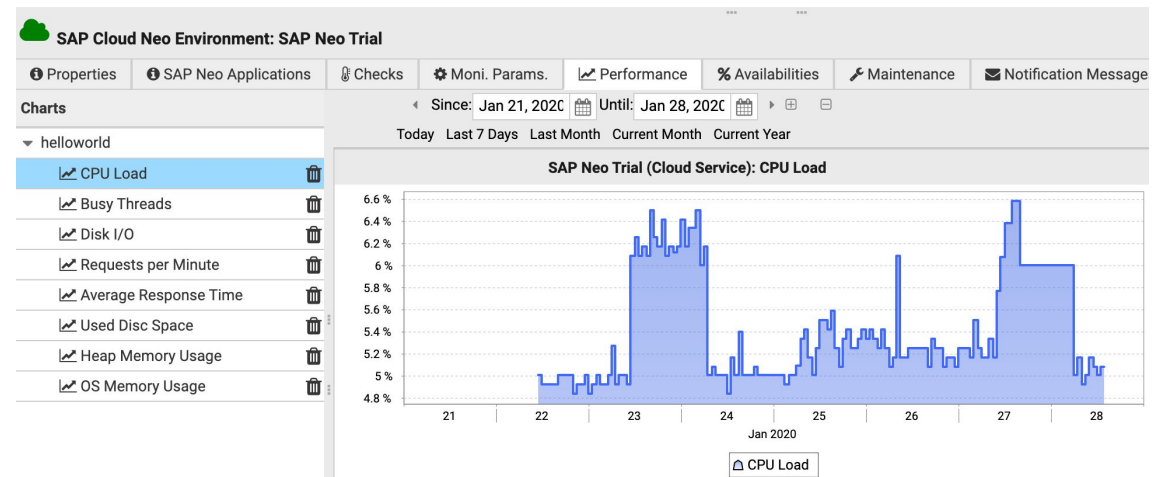
* **Service Type:**

* **Service:** SAP Neo Trial

* **Customer:** Avantra 20.2

* **System Role:** Test

New Cancel



AVANTRA

Cloud Service Object

The screenshot shows the Avanta Cloud Services interface. At the top, there are tabs for Monitoring, Systems, Reporting, and Configuration. Below these, there's a section for Cloud Services with buttons for New, Open, Monitoring Switch, and Send To Agent. A table lists several services:

Service	Service Type
Chuck Norris Jokes	Generic Service
Freshdesk	Generic Service
Github	Generic Service
SAP Cloud Neo Trial	SAP Cloud Neo Environment
SuccessFactors	Generic Service

Below the table, there's a detailed view for the SAP Cloud Neo Trial service. It includes tabs for Properties, SAP Neo Applications, Checks, and Performance. The Properties tab is active, showing fields for Service (SAP Cloud Neo Trial), Customer (Avantra 20.2), Monitoring Server (pot), Credentials (Pre-defined, SAP Cloud Neo), Subaccount Name (s00 trial), and Region (Trial).

- 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

The screenshot shows the configuration page for a Generic Service: Freshdesk. It includes tabs for Properties, Checks, Moni. Params., and Performance. The Properties tab is active, showing fields for Service (Freshdesk), Customer (Avantra 20.2), Monitoring Server (pot), Credentials (Pre-defined, fK. NzcIG/***** (Basic auth)), and URL (https://avantra.freshdesk.com/api/v2/tickets).

The screenshot shows the configuration page for a Custom Check: Freshdesk [RUN_JS/Cloud Service]. It includes a tab for Specific. The Script tab is active, showing a JavaScript script for checking Freshdesk tickets.

```
Script:
1 var request = requestBuilder.url(baseUrl).get().build();
2 var response = http.newCall(request).execute();
3 if (response.isSuccessful()) {
4     var json = JSON.parse(response.body().string());
5     check.status = OK;
6     check.message = JSON.stringify(json);
7 } else {
8     check.status = WARNING;
9     check.message = response.code();
10 }
```

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

SAP Business Objects

Native support

Properties

Checks

Moni. Params.

% Availabilities

Maintenance

Apply

Monitoring Switch

Send To Agent

System:

Start

Stop

SAP Business Object

* SAP Business Object

BOE

* Customer

Avantra 20.2

* System Role

Test

Description

BO 4.2 SP7 on Linux

SAP Business Object Info

Monitoring Server

mike

Base URL

http://mike:6405/biprws/

Database

ANY_BOE

CMS User

Administrator

OS User:

Service Name (Windows only)

CMS User Password

.....

Show

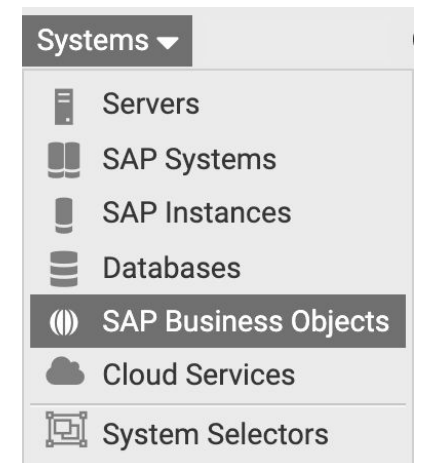
SAP Business Object: BOE					
PropertiesChecksMoni. Params.% AvailabilitiesMaintenanceNotification M					
All	<div><div>Open</div><div>Confirm</div><div>Unconfirm</div><div>Execute Now</div><div></div><div></div><div></div><div></div><div></div><div>More</div></div>				
RTM					
Daily					
	Name	Status Age	Category	Last Checked	Result
	ANY_Connections	63d	Dynamic	3m 51s	Number of connections
	ANY_DBSpaces	30d	Dynamic	3m 51s	Usage of all 2 DBSpace
	ANY_MessagesStat	63d	Dynamic	3m 51s	Number of messages i All are of severity INFO
	ANY_TransLog	30d	Dynamic	3m 51s	Usage of translog is Ok Database has no trans
	BO_Alive	10d 23h	Static	35s	BO_CMSSConnect check BO_Processes check is DBCONNECT check is
	BO_CMSSConnect	10d 23h	Static	3m 51s	Connected successfull
	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 active
	BO_Servers	10d 23h	Static	3m 51s	16 Servers are up and r
	DBCONNECT	63d	Dynamic	3m 51s	Successfully connected Product Version 17.0.8
	TEST_BO_JOBS	13m 51s	Custom	3m 51s	.*? : No matching jobs

AVANTRA

SAP Business Objects

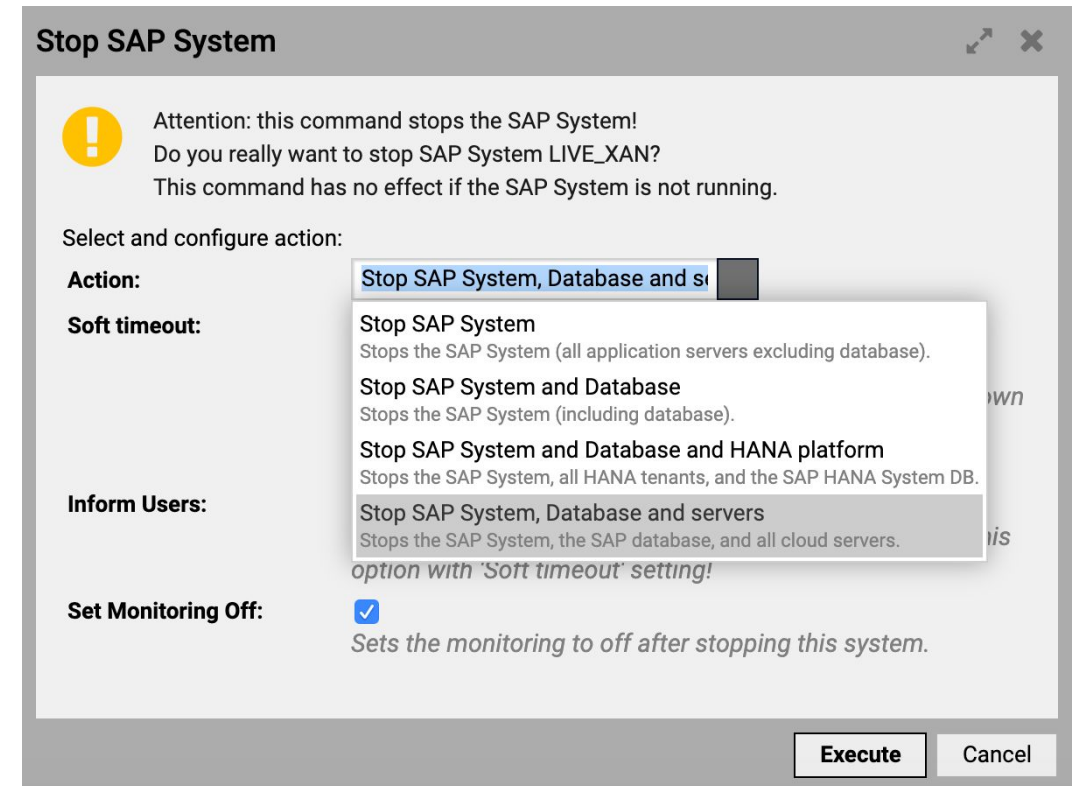
- Is now a first class object
- Improved architecture: database monitoring done by a separate object but linked to the Business Objects system
- 7 new out-of-the box checks (not counting DB) one custom check type »SAP_BO_JOBS«
- Setup is simple
 1. Base URL
 2. CMS User & Password
- Start-/Stop automation available as for SAP SIDs

The screenshot shows the configuration page for a custom check named 'TEST_BO_JOBS' (ID: 364). The interface is divided into several sections: 'General', 'Systems', 'Specific', and 'Rules'. In the 'General' section, the 'Custom Check Name' is 'TEST_BO_JOBS', the 'Description' is empty, the 'Customer' is 'Avantra 20.2', and the 'Execution' is set to 'RTM' with a note about the default 5-minute cycle. The 'Systems' section has two radio buttons: 'Select a Pre-Defined System Selector' (unselected) and 'Define specific 'Ad-Hoc' Custom Selection' (selected). The 'Specific' section includes fields for '* Job Name', 'Excluded Jobs', 'Consider last' (set to 1 day), 'Select Job Types' (with a list showing 'AAD.AnalysisAppl', 'AO.Presentation', and 'AO.Workbook'), 'Select Job Owner', and 'Select Jobs started after/before' (with time pickers). The 'Rules' section at the bottom shows two rules: one for 'Job Status' containing 'Latest Job' leading to a 'Fail*' status, and another for 'Duration' of 'Any Job' exceeding 30 seconds leading to a 'WARNING' status.




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



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: ID: 393

Specific

Client: ?
 Time Interval: minutes ?

Object: ?

Subobject: ?

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" i
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" i
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" i
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" i

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)
 - Avatra Agent implicitly logs on to the external Job management API
 - Expert feature ...

New Database

* **Type:** ✓ ---

* **Database Unified Name:**

* **Customer:**

* **System Role:**

* **Monitoring Server:** DB2, MSSQL, Oracle, SAP DB, SAP HANA, SAP SQL Anywhere, SAP Sybase ASE, **SAP HANA System DB**

New **Cancel**

Details of JavaJobStat on P01

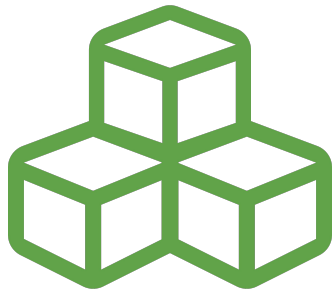
JavaJobStat

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_P01
CleanJob	Server 00 03_321950	COMPLETED	2020-02-15T18:20:00.016+01:00	2020-02-15T18:20:00.360+01:00	J2EE_ADM_P01

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

Coming Soon

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 for AWS
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Avantra manages, automates, and optimizes large and complex SAP landscapes in a hybrid cloud, on-premis, or across multiple cloud platforms
Linux/Unix ☆☆☆☆☆ [0 AWS reviews](#)

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[Overview](#) [Pricing](#) [Usage](#) [Support](#) [Reviews](#)

Product Overview

Avantra is intended to manage small to large scale SAP system environments. As more and more customers transfer SAP workloads to AWS, running Avantra itself in AWS in one of the common use cases, and with Avantra for AWS we leverage all the benefits AWS provides also for Avantra itself.

Highlights

- Stop Running Manual Checks
- Complete SAP Landscape Visibility
- Increase Infrastructural Stability and Efficiency

Version	8.0
By	Syslink Group
Categories	Monitoring Applications
Operating System	Linux/Unix, Amazon Linux 2.0.20190823.1
Delivery Methods	CloudFormation Template

AWS Metering Service

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

Normal license

License Status:

Status Message:

Activation:

Avantra Pro

OK

Automatic license activation successful. Last activation date: 2019-12-11 02:46

Request Activation Code manually

License Scheme:

License ID:

4

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:

Last Updated:

JL5ULM-XSVXUV-DVTXAZ-MAQSBE-BKBZ8J-UHY5MN-ORUSA9

2019-12-11 12:18

Show Licensing Help Page

Test Auto Activation

AWS License

License Status:

Avantra Pro

OK

Your license is handled by the AWS metering service

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

Other improvement areas

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

Avantra 20.2 Renewal



Complete re-codings

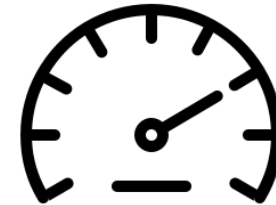
1. Avantra Server Backend: recoded alert and alive handling
2. ABAP Interface

+ 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

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 anc
> /SYSLINK/CL_CLASSINFO_GET	Class Info Getter
> /SYSLINK/CL_DIALOGPERF_GET	Dialog Performance Getter
> /SYSLINK/CL_ICMSTAT_GET	ICM Stats Getter

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 \geq 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](#).

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

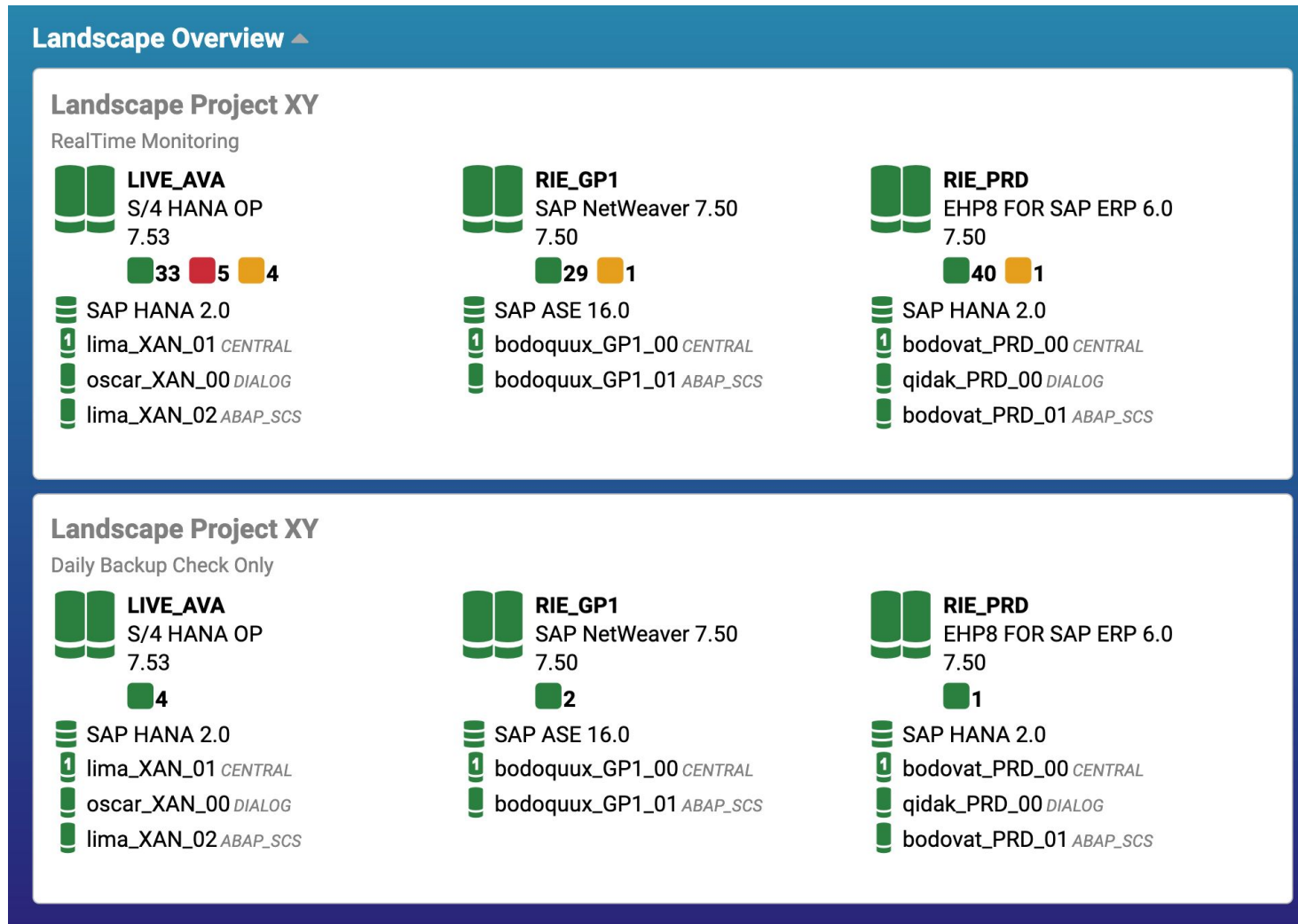
Display Role: Authorizations

Maint. 0 unmaint. org. levels, 0 open fields, Status: Unchanged

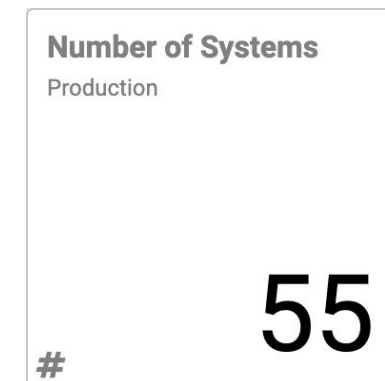
ZAVANTRA 00 Manually **Avantra role for SAP systems release >=7.50**

- 00 Manually **Cross-application Authorization Objects**
 - 00 Manually **Authorization Check for RFC Access**
 - 00 Manually **Authorization Check for RFC Access**
 - Activity Execute
 - Name (Whitelist) of RFC object /SYSLINK/MONXAN2, /SY...
 - Type of RFC object to which ac Function Module
 - 00 Manually **Transaction Code Check at Transaction Start**
- 00 Manually **Basis: Administration**
 - 00 Manually Authorization for end-to-end diagnostic
 - 00 Manually System Authorizations
 - 00 Manually Background Processing: Background Administra...
 - 00 Manually Authorization for file access
 - 00 Manually Authorization for GUI activities
 - 00 Manually CCMS: System Administration
 - 00 Manually Security Audit Log Activities
 - 00 Manually **Security Audit Log Activities**
 - Security Audit Log Activities Evaluate the alert or buffer table, Display configuration <...>
 - 00 Manually Authorization for /bd1/sdcc in AddOn-Namesapce
 - 00 Manually Table Maintenance (using standard tools such as SM30)
 - 00 Manually Table Access by Generic Standard Tools
 - 00 Manually Tools Performance Monitor
 - 00 Manually User Master Maintenance: Authorizations

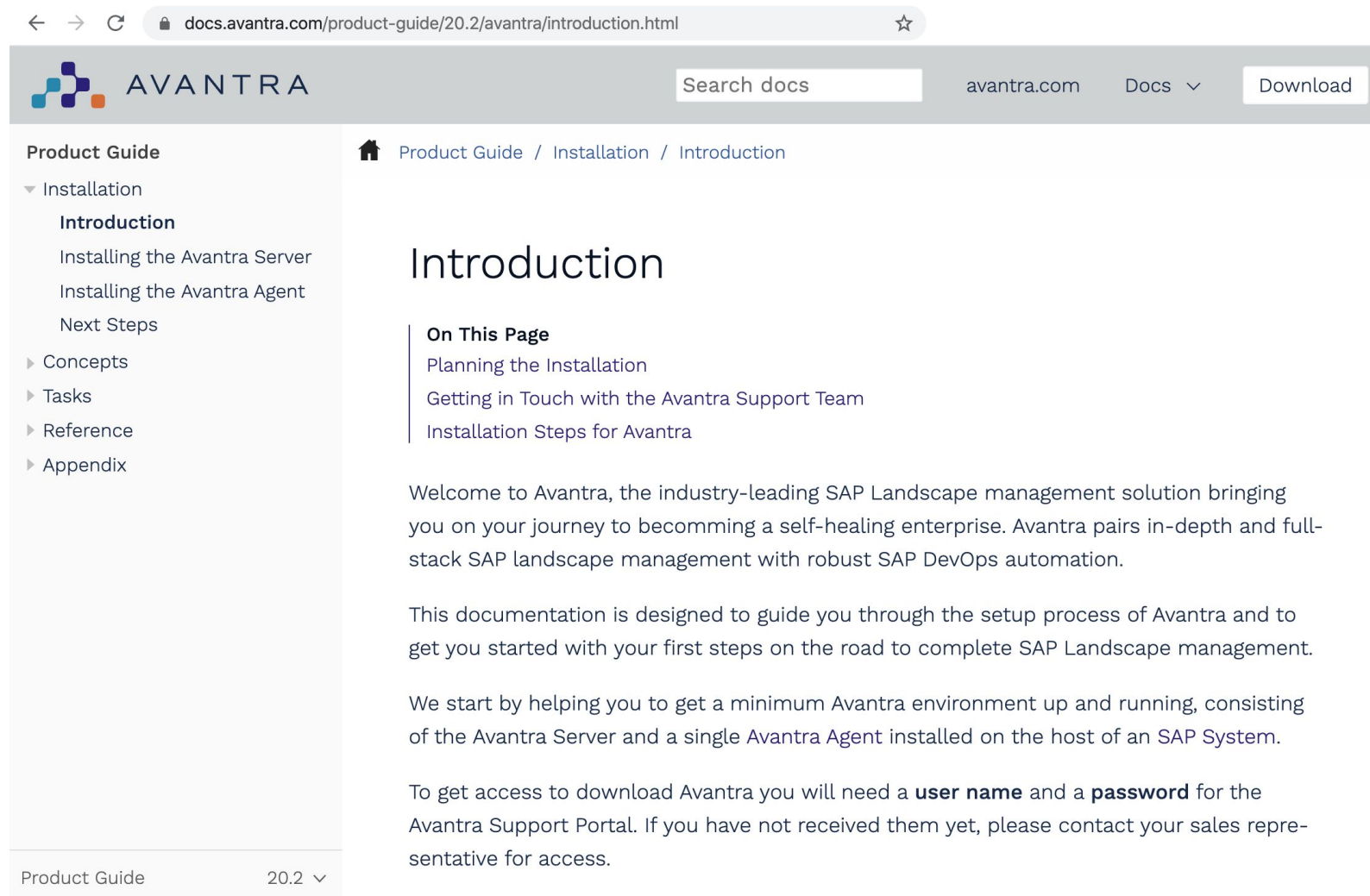
Multiple System Overview Dashlet



- 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



Documentation now public



The screenshot shows a web browser displaying the Avantra documentation page. The browser's address bar shows the URL `docs.avantra.com/product-guide/20.2/avantra/introduction.html`. The page header includes the Avantra logo, a search bar labeled "Search docs", the domain "avantra.com", a "Docs" dropdown menu, and a "Download" button. The left sidebar, titled "Product Guide", lists navigation options: "Installation" (with a sub-menu "Introduction" containing "Installing the Avantra Server", "Installing the Avantra Agent", and "Next Steps"), "Concepts", "Tasks", "Reference", and "Appendix". The main content area is titled "Introduction" and features a section "On This Page" with links to "Planning the Installation", "Getting in Touch with the Avantra Support Team", and "Installation Steps for Avantra". The text on the page welcomes users to Avantra, describes its capabilities in SAP Landscape management and DevOps automation, and provides instructions on how to get access to the software, including the need for a user name and password.

Product Guide 20.2 ▾

- 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 $n \geq 7$)
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](#).

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	✗	✓



Our Vision

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





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.



SAP[®] Certified
Integration with SAP NetWeaver[®]

SAP[®] Certified
Integration with SAP[®] S/4HANA

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