

Big Lots: Journey to SAP Solution Manager 7.2 and Beyond

Sai Rolla, SAP Manager, Kellton Tech, Inc.

Manish Garg, Director SAP CoE, Big Lots Stores, Inc.

ASUG83157

About the Speakers

Sai Rolla

SAP Manager,
 Kellton Tech, Inc.

- Business Enterprise Solutions practice with key focus on Netweaver, HANA, UX and Cloud
- Follow best practices

Manish Garg

Director SAPCoE,
 Big Lots Stores, Inc.

- ASUG Retail SIG
- Successfully running SAPCoE over a decade

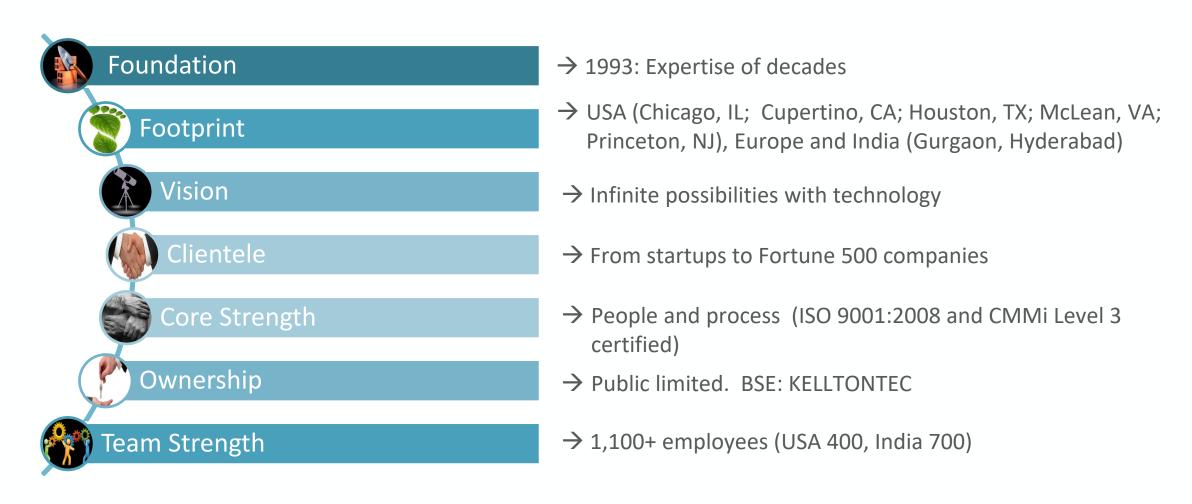


Big Lots Stores, Inc.

- Headquarters in Columbus, Ohio
- More than 50 years in business
- 1400+ stores in 47 states
- Over 35,000 associates
- Running SAP for more than a decade



About Kellton Tech, Inc.





Key Outcomes/Objectives

- 1. Discuss journey to Solution Manager 7.2
- 2. Effective centralized landscape management
- 3. Leverage Solution Manager to improve IT performance
- 4. SAP Support Backbone update



Agenda

- Solution Manager 7.x
- Approach
- Journey
- Life with Solution Manager 7.2
- Q&A



Solution Manager 7.1

- Maintenance optimizer
- Technical Monitoring
- Alerting and reporting
- Scenarios not used –
- Solution Documentation
- Test Suite
- Change Request Management
- Quality Gate Management
- Business Process Operations





Challenges with 7.1

- System based alerting
- Hundreds of false alerts
- Managed object specific configuration
- 100+ systems
- Dashboard data not available



Solution Manager 7.2 - Motivation

Manage systems with enhanced template based MAI

Powerful Technical Monitoring capabilities

Improved UX - UI5 based

SAP's unified UX strategy

Dashboard factory



Journey



Important considerations

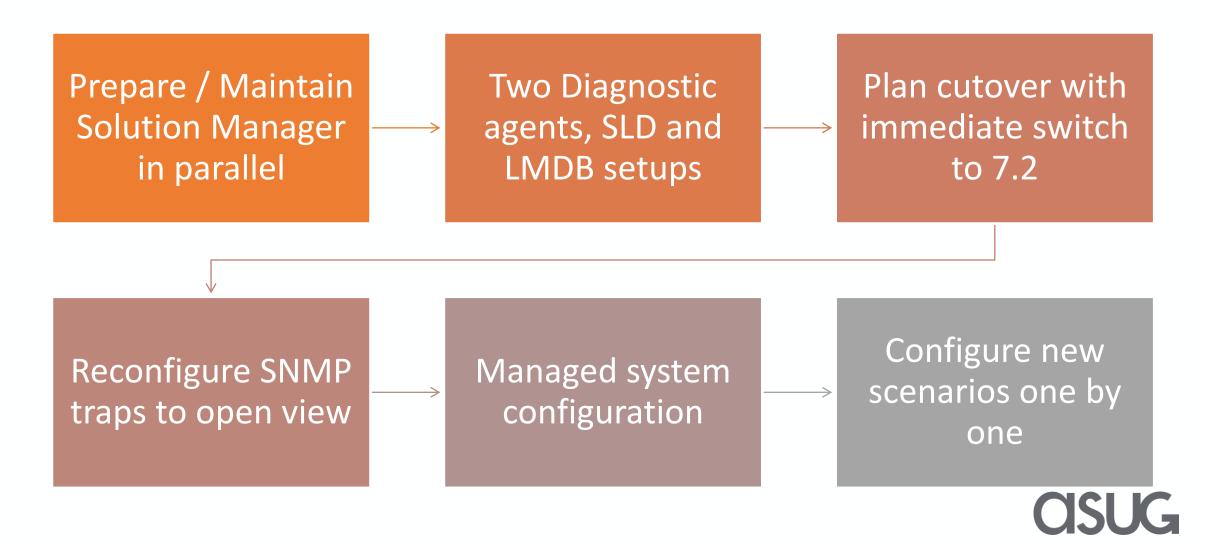
- Solman 7.1 no longer supported after 2017
- Content migration required?
- Dual stack split / installation
- Parallel maintenance
 - Upgrade vs New Installation

Install ABAP and Java and Implement current SP-stack

Configure



Approach



Solution Manager 7.2











TECHNICAL MONITORING

ROOT CAUSE ANALYSIS

DATA VOLUME MANAGEMENT

GUIDED PROCEDURES

DATA CONSISTENCY
MANAGEMENT









SECURITY

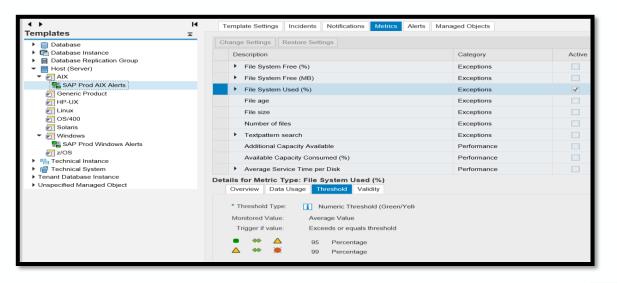
USAGE PROCEDURE LOGGING

NWDI

CTS+



Technical Monitoring

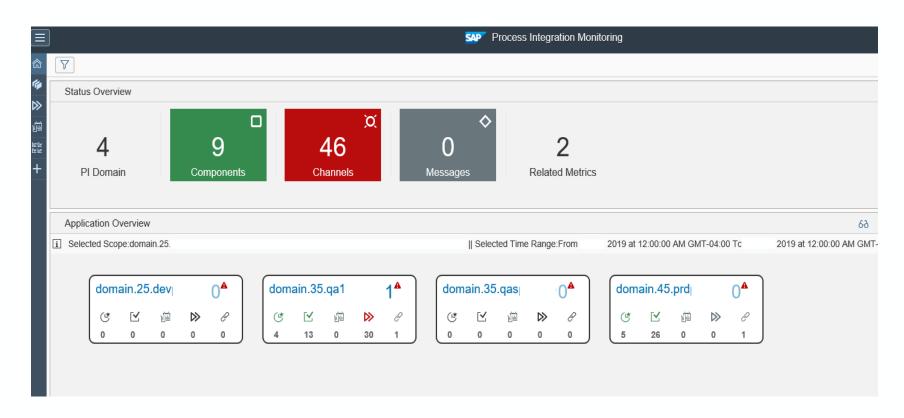


One template = several managed systems Easy to fine tune





Process Integration Monitoring

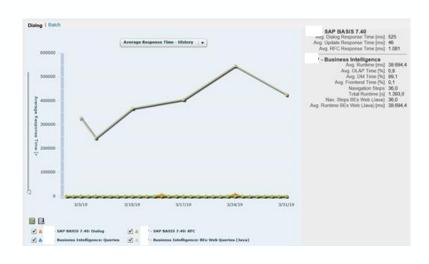


- > Adapter engine
- ➤ Mapping runtime
- > PI channel status



Root cause analysis

Workload analysis



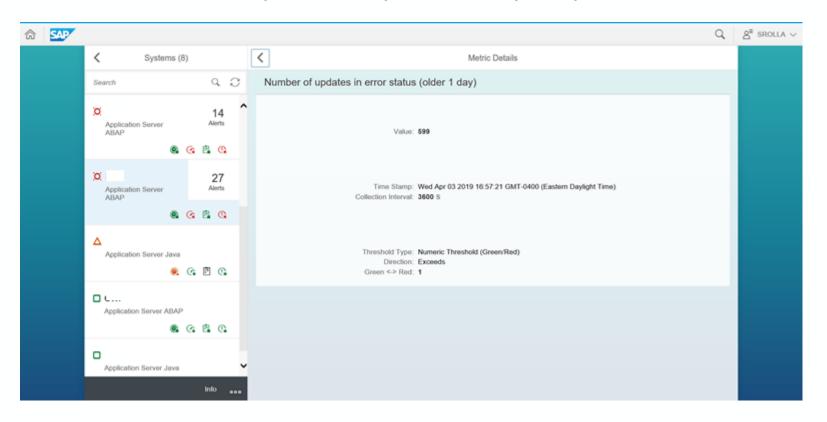
Change reporting





Central system monitoring

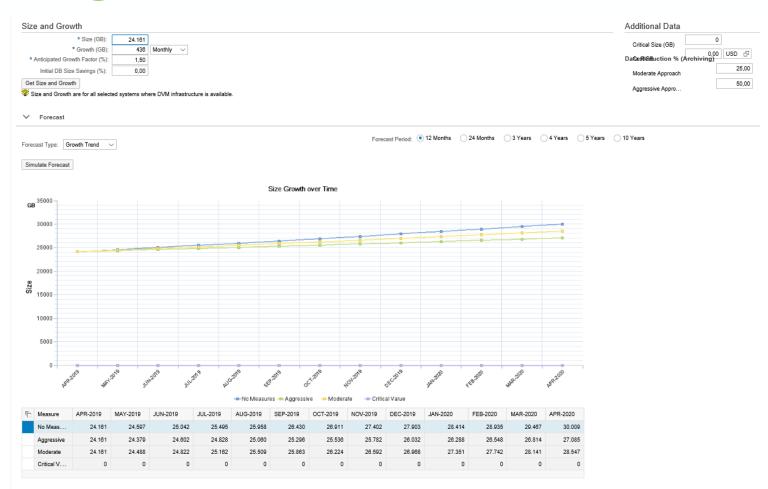
Centrally monitor all systems
Helps Offshore team inspect and proactively respond





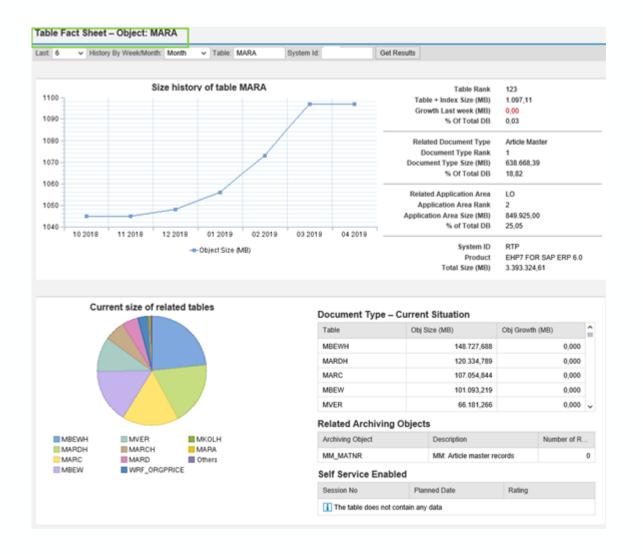
Data Volume Management

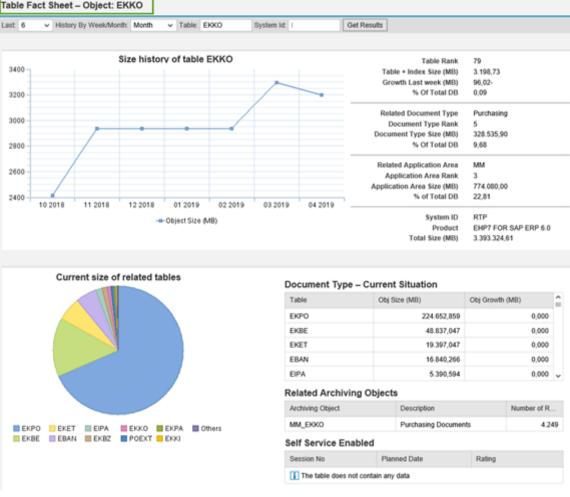
- Data Volume forecast
- Based on multi-level measurement
- Gain insights and plan archiving





DVM Fact sheets





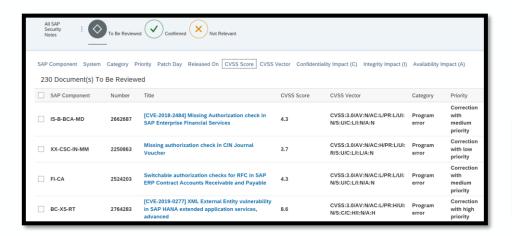


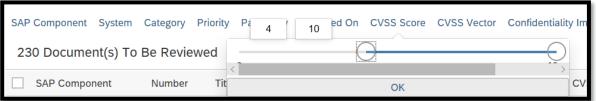
Security Note recommendations

System								<u>↓</u>	<				S	AP Note Ove	rview					
Technical System		IT Admin Role	Priority	Security Notes	Hot News	Performance Notes	Legal Change Notes	Favorite	Note Type:		Release Date: Note Type:	~ABAP ⊗ dd.MM.yyyy - dd.MM.yyyy Security Note ⊗ New version available ⊗ New ⊗			Priority: 2	U-PRN ⊗ BC-CST ⊗ XX-CSC-AT-FI ⊗ 2 - Correction with high priority ⊗			₽ 	
~A	ABAP	Production System	Undefined	367	277	640	347	$\stackrel{\wedge}{\mathbb{A}}$			Status.	New version available & New &			Security					· ·
-JA	AVA	Production System	Undefined	209	225	200	253	$^{\updownarrow}$								on Types: Kernel: Ke ependent: De				· ·
-JA	AVA	Test System	Undefined	257	244	222	253	$\stackrel{\wedge}{\mathbb{A}}$	Syste	m with	SAP Note	25								<u>↓</u> ↑↓
~J/	AVA	Production System	Undefined	236	244	220	253	$\stackrel{\wedge}{\mathbb{A}}$	□ Tec	hnical	Note Number	Short text	Release Date	Application Component	Priority	Category	Security Category	Status	Correction Types	Attribute
-AE	BAP	Production System	Undefined	437	311	1139	10822	$\stackrel{\wedge}{\mathbb{A}}$		~ABAP	2476937	Potential Denial of Service vulnerability in SAP Standalone Enqueue Server	10/9/2017	BC-CST-EQ	2 - Correction with high priority	A - Program error	P - Patch Day Notes	New		Kernel,D endent
AB	BAP	Production System	Undefined	338	276	494	326	#		~ABAP	2389181	Denial of service (DOS) in SAP NetWeaver Instance Agent Service	6/12/2017	BC-CST-ST S	2 - Correction with high priority	A - Program error	P - Patch Day Notes	New		Kernel,D endent
~J <i>l</i>	IAVA	Production System	Undefined	215	228	205	253	ф		~ABAP	2421287	Security vulnerabilities in SAPLPD	4/10/2017	BC-CCM-P RN	2 - Correction with high priority	A - Program error	P - Patch Day Notes	New		Kernel,D endent
'~A	ABAP	Production System	Undefined	247	250	250	276	#		~ABAP	2358972	Denial of service (DOS) in Message Server	11/7/2016	BC-CST-MS	2 - Correction with high priority	A - Program error	P - Patch Day Notes	New		Kernel,D endent
										~ABAP	2313835	Denial of service (DOS) in SAP Internet Communication Manager	8/8/2016	BC-CST-IC	2 - Correction with high priority	A - Program	P - Patch Day Notes	New		Kernel,De



Monthly security notes review



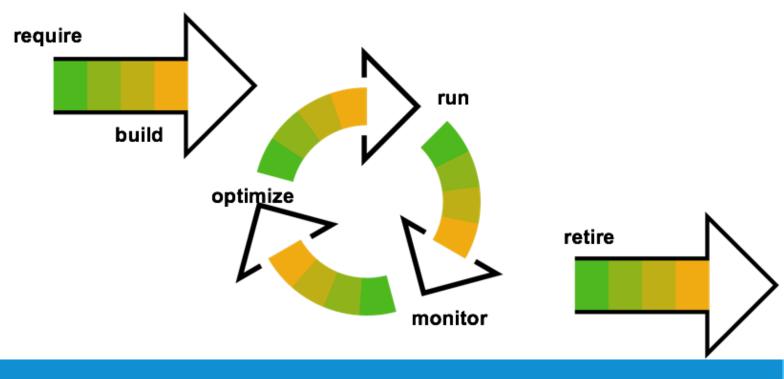


SAF	Component System	Category Pr	iority Patch Day Released On CVSS Score CVSS \	Vector Confidential	ity Impact (C) Integrity Impact (I)	Availability Im	pact (A)					
69 Document(s) To Be Reviewed												
	SAP Component	Number	Title	CVSS Score	CVSS Vector	Category	Priority					
	IS-B-BCA-MD	2662687	[CVE-2018-2484] Missing Authorization check in SAP Enterprise Financial Services	4.3	CVSS:3.0/AV:N/AC:L/PR:L/UI: N/S:U/C:L/I:N/A:N	Program error	Correction with medium priority					
	FI-CA	2524203	Switchable authorization checks for RFC in SAP ERP Contract Accounts Receivable and Payable	4.3	CVSS:3.0/AV:N/AC:L/PR:L/UI: N/S:U/C:L/I:N/A:N	Program error	Correction with medium priority					
	BC-XS-RT	2764283	[CVE-2019-0277] XML External Entity vulnerability in SAP HANA extended application services, advanced	8.6	CVSS:3.0/AV:N/AC:L/PR:H/UI: N/S:C/C:H/I:N/A:H	Program error	Correction with high priority					
	BC-CCM-SLD-REG	2729710	[CVE-2019-0265] XML External Entity (XXE) vulnerability in SLD Registration of ABAP Platform	6.0	CVSS:3.0/AV:L/AC:L/PR:H/UI: N/S:U/C:H/I:N/A:H	Program error	Correction with medium priority					



Usage Procedure logging

from requirement to retirement



Manage your whole custom code lifecycle efficiently



SAP Support Backbone update

- Landscape Management
- Maintenance Planner
- System Recommendations
- License Management
- Scope and Effort Analyzer
- IT Service Management
- SAP Engagement and Service Delivery
- SAP EarlyWatch Alert from SAP Solution Manager to SAP
- Service Content Update

Upgrade before January 1st 2020

- Focused Run 2.0
- Solution Manager 7.2 SPS07



SAP Support Backbone update (ctd.)

- Big Lots Solution Manager landscape was first installed on FPO -SPS03
- For SAP Support update from FP0 to FP3 SPS08 performed
- Enhanced note assistant v1.2
- Technical user
- Auto configuration using task lists



New SNOTE

- SAP Notes will be digitally signed
- No SAPOSS RFC connectivity for 740 and above
- Only HTTPS
- Download service via Solution Manager
- S-User to be maintained



Key points

- Install if content migration not required
- Do not skip manual steps
- Explore
- Perform phased scenario configuration
- Act now on SAP support update



Useful links

SAP Backbone Support update

https://support.sap.com/content/dam/support/en_us/library/ssp/alm/sap-solution-manager/sap-support-backbone-update/Backbone-Update One-Slider.pdf

Technical user request for SAP backbone support

https://apps.support.sap.com/technical-user/index.html



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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

http://info.asug.com/2019-ac-slides



Q&A

For questions after this session, contact us at sai.rolla@kelltontech.com



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