

SAP Ariba 📈

2211 Release Feature Overview - SAP Ariba Cloud Integration Gateway

Presenters: Rob Jones, Shipra Goyal **Panelists** : Andy Rubinson, Satheesh Gannamraju, Kalyan Valluri, Vick Ramburrun, Anupama Kumar

PUBLIC



Important notice

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

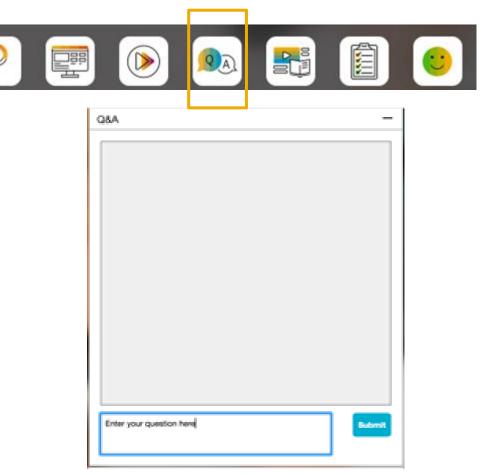
All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Logistics

To Ask a Question, please use the ON24 Q & A Panel

- If not already visible, click the Q&A button at the bottom of the screen.
- Type your question in the "Enter your question here" area.
- Click Submit.

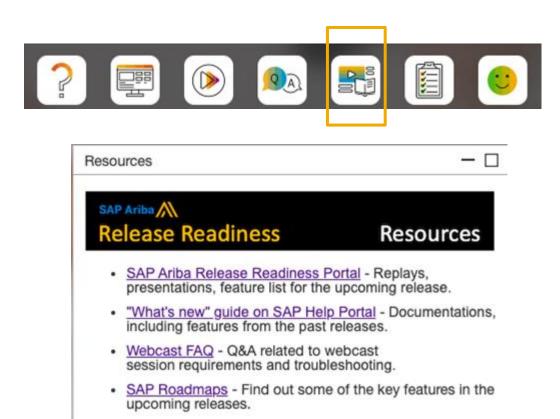
The Presenter and/or Panelists will attempt to answer your question online or via the audio feed as close to the time the question is asked as possible.



Logistics

To view resources, please use the button noted

- If not already visible, click the Resources button
- A variety of links directly to content associated with features from the release will appear



Logistics

At the end of the session, provide Survey feedback

- If not already visible, click the Survey button at the bottom of the screen.
- Answer the questions posed.
- Click Submit.

Your feedback is used to continually improve our customer engagement activities for our quarterly product releases.

Thank you for taking the time to share your thoughts with our team!



Sur	vey —
Ev	ent Survey
	Ir feedback is greatly appreciated. We review every response in order to ke continuous improvements to these presentations.
1.	How strongly would you recommend this webcast to your peers?
	Select a Choice 🗸
2.	Provide any comments you have regarding these sessions or the release materials:

General Information Session Materials

- SAP Ariba Connect user interface
- Multiple routes for launching the Release Readiness page
- Access to product announcements also available

SAP Ariba Mome ▼ Connect	SAP Ariba AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA									
Home Answers Incidents	s & Cases Release information Administration	n & more								
	News high Release Readiness									
	🕫 SAI Announcements ervie	ew of SAP Ariba Connect								
	rd Wh Certificate Update Calendar									
	visit Vext Generation Cloud Delivery / Release Series									
	Or explore more applications									
		88								
	User Management	Documentation & Learning	Critical Incidents							
		R								
	Release Readiness	Announcements	Customer Influence							

General Information Session Materials

Release Readiness

Scroll through to see full list of features, documentation links, release schedules, and archived information from prior releases.

SAP Ariba Release Readiness

Welcome to the SAP Ariba Release Readiness portal - a central location to get up-to-date information and materials to help you prepare for upcoming releases.

2211 Release Resources

Review the <u>Feature List</u>. Includes brief descriptions, enablement model, and access to available KT and demos.

Discover the benefits coming with this release with the <u>Release Highlights</u>.

The <u>Release Summary</u> provides a downloadable overview of planned features with links to additional feature content.

The <u>What's New in SAP Ariba</u> guide provides full details on each feature.



Quick Links

Have a question?

Next Generation Cloud Delivery: IP Address Allow/Block List

Intelligent Source to Pay

<u>Cloud Integration</u> <u>Gateway (CIG)</u> <u>Community</u>

Guided Sourcing

© 2022 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC *** A PDF file and Recording of today's presentation will be posted in Release Readiness area of connectsupport. ariba.com ***

Urgent Action Item Cloud Connector Configuration

- SAP Cloud Integration Gateway is increasing the number of Cloud Platform Integration (CPI) instances (subaccounts) to improve performance
- If you are using cloud connectors to connect with CIG, you must register these new instances in addition to the existing ones to avoid service disruption.
- This change is required for all Cloud Integration Gateway (CIG) customers using ERP / S/4HANA integration via SAP Cloud Connector.
- Notifications were emailed on 13 OCT (Original), 19 OCT (Reminder #2) and 24 OCT (Reminder #3) Subject: Action Required: SAP Cloud Integration Gateway (CIG) Cloud Connector Configuration

NOT TAKING THIS ACTION WILL LEAD TO DELAYED OR DROPPED TRANSACTIONS

Urgent Action Item Cloud Connector Configuration EU (1/3)

24 October / Subject : Reminder #3: Action Required: SAP Cloud Integration Gateway (CIG)

Call to Action:

The below table explains the list of new subaccounts. To know which CIG data center you are connected to, please log in to CIG from your Ariba application (Ariba Buying & Invoicing/Ariba Sourcing/Ariba Network) and check your browser address bar. If it shows https://integration.ariba.com then, you are connected to the CIG Europe data center. Your SAP Basis consultant can help you make this change. These changes will take effect on **November 7th**, **2022**. We recommend you make this change before this date.

Region	Environment	Subaccount Name
	TEST	riph868phi
	PROD	fh7owkbn5n
EU (eu1.hana.ondemand.com)	PROD	t6u5sulpil
	PROD	uajqgqv8l3

Urgent Action Item Cloud Connector Configuration US (2/3)

24 October / Subject : Reminder #3: Action Required: SAP Cloud Integration Gateway (CIG) Call to Action:

The below table explains the list of new subaccounts. To know which CIG data center you are connected to, please log in to CIG from your Ariba application (Ariba Buying & Invoicing/Ariba Sourcing/Ariba Network) and check your browser address bar. If it shows https://integration-us.ariba.com then, you are connected to CIG US data center. Your SAP Basis consultant can help you make this change. These changes will take effect on **October 31st, 2022**. We recommend you make this change before this date.

Region	Environment	Subaccount Name
US (us4.hana.ondemand.com)	PROD	fnpxlbn69y
03 (us4.nana.ondernand.com)	PROD	ald178slao

Urgent Action Item Cloud Connector Configuration US (3/3)

24 October / Subject : Reminder #3: Action Required: SAP Cloud Integration Gateway (CIG)

Steps for Adding new subaccounts to Cloud Connector

- 1. Log on to Cloud Connector
- 2. Choose the Add Subaccount button
- 3. Enter the Region, Subaccount, Subaccount User (P-user), Password, Display Name, Location ID, and Description as listed above
- 4. Make sure to use the same Location ID that you had previously configured in CIG.
- 5. Choose Save
- 6. In the Cloud To On-Premise section, update your virtual system into the internal system mapping.
- 7. In the "Resources accessible on" section, maintain the access path.
- 8. For Steps 6 and 7, provide the same values you have maintained for other CIG subaccounts.
- 9. Repeat steps 2-8 per for the remaining subaccounts

CIG Release 2211 Agenda

- CIG Release 2211: CIG AddOn Support Packs
- New Features: CIG Core (Platform & Portal)
- New Features: Ariba Network Buyer Integration
- New Features: Ariba Application Integration
- New Features: IES S2P Integrations

CIG Release & CIG AddOn Support Packs



CIG Release 2211 & AddOn Support Packs

CIG Buyer AddOn for SAP ERP					
ABAP component	Support Pack				
ARBCI1 100	SP18				
ARBCI2 100	SP12				
ARBCIGR 100	SP1*				

CIG Supplier AddOn for SAP ERP					
ABAP component	Support Pack				
ARBCIS 100	SP04*				

CIG Buyer AddOn for S/4 HANA					
ABAP component	Support Pack				
ARBCI1 10S	SP18				
ARBCI2 10S	SP12				
ARBCIGR 10S	SP1*				

* No change from previous release

IG-37967: Certification of SAP Ariba Cloud Integration Gateway for SAP S/4HANA 2022

New Features: CIG Core (Platform & Portal)



New Features: CIG Core (Platform & Portal)

 IG-38579 Enhanced support for target value variable and target position variable mappings in the SAP Ariba Cloud Integration Gateway mapping tool

New Features: Ariba Network Buyer Integration



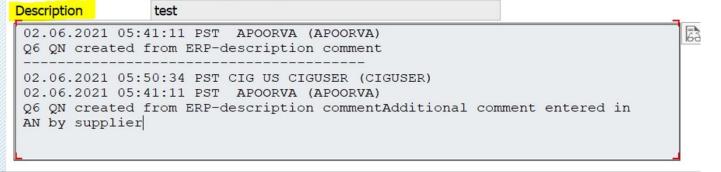
New Features: Ariba Network Buyer Integration

- **IG-33929** Enhancements to integration support for quality notifications
- IG-40384 Enhancement to the integration of product replenishment messages with scheduling agreements as part of supplier-managed inventory
- IG-36812 Integration to support quality certificates for scheduling agreements and scheduling agreement release

IG-33929 Enhancements to integration support for quality notifications

Customer Challenge

 With QN collaboration between Buyers' ERP system and AN suppliers, Long Text is repeated and duplicated (snowball effect) during every update and it is the same behavior for any Long text within Quality Notification e.g. QN Header Problem Description Long Text, Item Text, Task Text etc. This makes it difficult for ERP buyers to track the updates.



- Suppliers were able to attach only files as attachments, but URLs were not supported
- Buyers were not able to use the return process in their business

IG-33929 Enhancements to integration support for quality notifications

Solution

- This feature will support the following:
 - Display the descriptions maintained at various levels on quality notifications like the header, item, task, activity, defects, cause, and so on without any repetition.
 - Send links of existing files from the web as URLs from suppliers to buyers. Buyers can click and access these URLs.

Choose	~	
Attachment		
Upload a file		
Add links to existing files or	1 the Web	
File name	Address	
The Hume		

• Send Return Merchandise Authorization (RMA) number from suppliers to buyers, which helps buyers consume the RMA number for the return process.

IG-33929 Enhancements to integration support for quality notifications

Key Benefits

- Quality Notification Texts in ERP will correspond to each update that Supplier submitted from Ariba Network, making it easy to track updated text and history.
- Buyers will be able to access the attachments in ERP by clicking the web URL.
- With RMA no. sent from Ariba Network, buyers can consume the RMA number for return process based on their business process and can implement Return Merchandise Authorization process in their company.

Prerequisites

• Configure 'NO TEXT CHANGES' for QN Long Text in SAP ECC for comments to appear properly

Table View Edit Goto Sele	ection Utilities System Help		😑 🕒 Performance Assistant
Change View "Format		2000 🗖 🕻	No Changes to Existing Long Text Use
Notification Type Notification Type Screen Areas in Notific Screen Structure for Ex Screen Structure for Sir Catalogs and Catalog P Format Long Text Priority Type	Notif.cat General long text formatting	22 Complaint ag. Vendor 82 Quality Notification	If you set this indicator, changes to an existing long text cannot be made while processing the notifications. However, the long text can be supplemented .
Partner Determination I Partner Functions, App Standard Output Status Profile Response Time Monito Allowed Changes of No	Format key		

IG-40384 Enhancement to the integration of product replenishment messages with scheduling agreements as part of supplier-managed inventory

Customer Challenge

 With current SMI integration from Ariba Network to CIG / Backend ERP, Schedule lines that have delivery date prior to current date (irrespective of GR posted or not) OR Schedule lines that have full / partial GR posted (irrespective of delivery date is in past or current or future) are retained. And the schedule lines with delivery date current or future with NO GR are deleted.

Similarly, Planned shipment lines that exist in Product Replenishment message (PREM) whose start date is prior to current date are not considered for further processing.

This behavior leaves PREM with Planned shipment lines with a start date **equal to OR greater than current date**, are considered for further processing and creates new schedule lines causing duplicate schedule lines (in addition to Schedule lines that already have full / partial GR against them).

Solution

 With this enhancement, the planned shipment date in the product replenishment message from suppliers is considered the primary criteria to update schedule lines in scheduling agreements as part of supplier-managed inventory. On basis of comparison with planned shipment date, it will be determined when a given schedule line quantity needs to be updated or a new schedule line needs to be inserted or an existing schedule line needs to be deleted. IG-40384 Enhancement to the integration of product replenishment messages with scheduling agreements as part of supplier-managed inventory

Key Benefits

 Schedule lines for which either full or partial goods receipts are posted will get updated in case where subsequent Planned shipment lines have more quantity that GR quantity and schedule lines will not be duplicated resulting in accurate demand sent to Suppliers.

Prerequisites

• To enable this feature, maintain the SL_UPD_PR_SHIP_DATE parameter in ERP via SPRO setting.

New Features: Ariba Application Integration



New Features: Ariba Application Integration

IG-39228 Support for forward error handling (FEH) for SAP Ariba Buying and Invoicing

IG-32935 Support to publish public procurement notices on an approved external portal

IG-39228 Support for forward error handling (FEH) for SAP Ariba Buying and Invoicing

Customer Challenge

Presently customers are facing lock issues on documents due to different reasons like arrival of multiple invoices at same time, Purchase order open in the ERP and a related documents tries to update the purchase order etc.



Solution

- Enables buyers to asynchronously monitor and process errors related to inbound documents received from SAP Ariba Buying and Invoicing on SAP ERP.
- FEH allows user to check and process the failed document again on SAP ERP.
- Forward Error Handling (FEH) will take care of reprocessing the failed documents in ERP itself and send the response back to P2P.
- FEH is SAP standard, this is already delivered in AN, Ariba Sourcing and now this is extended to Ariba P2P

IG-39228 Support for forward error handling (FEH) for SAP Ariba Buying and Invoicing

Key Benefits

 This feature enables buyers to asynchronously monitor and process errors related to inbound documents received from SAP Ariba Buying and Invoicing on SAP ERP.

Prerequisites

- Ensure that you are on the latest version of SAP Ariba Cloud Integration Gateway.
- For other pre-requisites, please refer the below feature documentation <u>here</u>:

IG-39228 Support for forward error handling (FEH) for SAP Ariba Buying and Invoicing

In Scope

- The feature supports the following asynchronous transactions:
- Purchase order (create, change, and cancel)
- Goods receipt (create and cancel)
- Advance payment (create and cancel)
- Service entry sheet (create, cancel, and delete)
- Invoice (create)

IG-39228 : Support for forward error handling (FEH) for SAP Ariba Buying and Invoicing

¢													
	Web Service Utilities: Message Monitor SRT_MONI												
Ę			- Basic Vie		1 📾 🎮 🔹	.	Action Log	Error Log	႔ ေRelated Mes	ssages "	Actions <u>R</u> estart	Technical View	
₽	Number 22	Status	Processing Statu Transfered_to_E		Creation Date 06.07.2022	Creation Ti 08:05:31	Execution Date 06.07.2022	Execution T 08:05:40	Sender Party		<u>R</u> estart w <u>C</u> ancel	vith Debug	rface Name
	21 20 19		Cancelled Delivered Delivered		06.07.2022 06.07.2022 06.07.2022	08:04:14 08:02:45 08:02:45	06.07.2022 06.07.2022 06.07.2022	08:04:25 08:02:46 08:02:46			<u>G</u> ot Ext		statusUpdateRequ seToTestCentral_
	19 Delivered 06.07.2022 08:02:45 06.07.2022 08:02:46 ERPResponseToTestCentration Above shows a sample PO in lock error to reprocess the failed message after rectifying the error message after rectifying the error												

IG-39228 : Support for forward error handling (FEH) for SAP Ariba Buying and Invoicing

•) « 🔚 🕲 🕲 🕲 🗎 🕅 👘 🖏 🗂	l 1 🗖 🗖 🖉 🖳
Postprocessing D	esktop - Edit Order: Details	
🕻 🔓 🔁 🕾 Process 🛛 🔬 M	lain Object 🔬 Base Object 🔒 🗇 🔿 🗖	Repeat Confirm Scard
Header data	L	Click Repeat
Main Object	Purchase contract # 1	Click Repeat
Main Message	🥑 The material 349898 does no	t exist or is not activated
Process Descr.	PurchasingContractERPReques	t In
Comments		P
Order Status	In Process	Edited By NATARAJUS
Order Details		
Purchase contract # 1 Processing Methods	Message Data No Object Information	user can enter the comments on what has been changed
Purchase contract # 1		
Purchase contract # 1 Processing Methods Description		comments on what has
Purchase contract # 1 Processing Methods Description Info: Released		comments on what has
Purchase contract # 1 Processing Methods Description Info: Released Confirm		comments on what has
Purchase contract # 1 Processing Methods Description Info: Released Confirm Change Document Confirm	No Object Information	comments on what has been changed
Purchase contract # 1 Processing Methods Description Info: Released Confirm Change Document Confirm		comments on what has been changed
Purchase contract # 1 Processing Methods Description Info: Released Confirm Change Document Confirm Confirm Confirm Change Text	No Object Information	comments on what has been changed
Purchase contract # 1 Processing Methods Description Info: Released Confirm Change Document Confirm Change I I I IIIIIIIIIIIIIIIIIIIIIIIIIIIIII	No Object Information	comments on what has been changed
Purchase contract # 1 Processing Methods Description Info: Released Confirm Change Document Confirm Change Document Confirm Type Message Text Type Message Text Start of Inbound service F	No Object Information	comments on what has been changed
Purchase contract # 1 Processing Methods Description Info: Released Confirm Change Document Confirm Wie Confirm Type Message Text Type Message Text Start of inbound service for Start of validity period is	No Object Information	comments on what has been changed

 Once re processed, success PO should trigger in SRT_MONI and in P2P the status of PO gets updated with ordered status

IG-39228 : Support for forward error handling (FEH) for SAP Ariba Buying and Invoicing

C Order Edit Goto Extras	s System Help
 • 	
Postprocessing Des	ktop - Display Order: Details
🔒 🕃 🤁 🕾 Process 🛛 🗟 Main	Object 🍰 Base Object ≗일 🦛 🖒 @Repeat 😽 Confirm 🔤 Discryd
Header data	
Main Object	Purchase contract # 1
Main Message 🧕	The material 349898 does not exist or is not activated the message
Process Descr.	PurchasingContractERPRequest_In
Comments	
Order Status	Completed Edited By NATARAJUS
Order Details Purchase contract # 1	Message Data
Processing Methods	No Object Information
Description	
Info: Released	
Confirm Change Document	
Confirm	
	F. 2. %. 🖨 @. 🖶 🗰 🗰 0 🖲 2 🛆 1 🗖 2 💘.
Type Message Text	Long PPO
The material 349898 does no	ot exist or is not activated 🕜
	hasingContractERPRequest_In_V1
 Start of validity period is in th The material 349898 does not 	
**************************************	on 06.07.2022 at 08:12:30************************************

Once re processed, success PO should trigger in SRT_MONI and in P2P the status of PO gets updated with composing status

31

•

IG-32935 Support to publish public procurement notices on an approved external portal

Customer Challenge

- Public sector customers in many countries need to follow strict guidelines according to which they have to
 publish the details of sourcing events intended to be carried out and the awarding information to designated
 national/international level systems.
- Tenders Electronic Daily(ted) is one such portal dedicated to European Union public procurement.
- Currently, there is no integration between sap Ariba strategic sourcing solutions and Tenders Eelectronic Daily (TED) to publish public procurement notices to this external portal.

Solution

With this feature, there will be integration between SAP Ariba Strategic Sourcing solutions and Tenders Electronic Daily (TED) using SAP Ariba Cloud Integration Gateway, to publish public procurement notices to this external portal.

Key Benefits

- Buyers can enter procurement details in the public procurement notices associated with a public sector event and publish the notices to Tenders Electronic daily (TED) portal via CIG.
- Suppliers can view notices on the portal and the related event details on a public access page. Interested suppliers can invite themselves to participate in the event after required registration.

IG-32935 Support to publish public procurement notices on an approved external portal

Prerequisites

- The integration is 'Automatically on' on CIG side
- For prerequisites on the application side, please refer to feature ET-9

Restrictions

This feature is supported only by Guided Sourcing Capability for SAP Ariba Sourcing

New Features: IES S2P Integrations



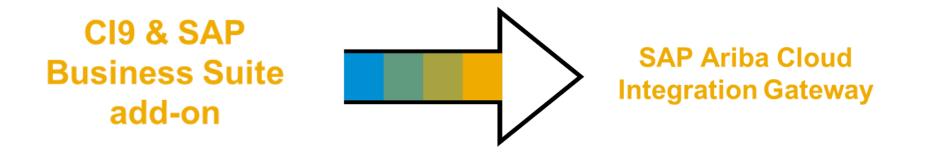
New Features: IES S2P Integrations (SAP S/4 HANA)

 IG-35057 Integration support for attachments at the header level in outbound deliveries sent from SAP S/4HANA Cloud in the Automation of Order-to-Invoice with Ariba Network (4A1) integration scenario

Important CIG Notice

End of Life Notice

 CI9/ Business Suite Add-on End of life approaching soon i.e. by 31st December 2023. Kindly take required action. Please find the resources <u>here</u> for CIG migration.



Integration Toolkit (ITK) End of life is also planned for 31st December 2023.
 More details to be shared in upcoming weeks

How to learn more about CIG

LEARN | NETWORK | SUCCEED



VISIT OUR SITE

<u>Our website</u> is full of great resources and content especially on the features and benefits of Cloud Integration Gateway.



TAKE A COURSE

Enroll in e-learning and virtual training courses via <u>SAP Learning Hub</u> (course code AR822e) and <u>SAP Training Shop</u> (course code AR822)



JOIN THE COMMUNITY

The <u>SAP Ariba Cloud Integration Gateway</u> <u>Community</u> is thriving with subject matter experts and users. Stay up-to-date with the latest announcements and features.



Survey / Feedback

Please take the time to provide Survey feedback

- If not already visible, click the Survey button at the bottom of the screen.
- Answer the questions posed.
- Click Submit.

Your feedback is used to continually improve our customer engagement activities for our quarterly product releases.

Thank you for taking the time to share your thoughts with our team!



rvey back is greatly appr tinuous improveme strongly would you	ents to thes			se in order to
tinuous improveme	ents to thes			se in order to
strongly would you				
peers?	u recomm	end this	webcast to	
ct a Choice	~			
de any comments	you have materials	regardir	ng these	
	le any comments	de any comments you have		de any comments you have regarding these

Reminder Session Materials

Release Readiness

Scroll through to see full list of features, documentation links, release schedules, and archived information from prior releases.

SAP Ariba Release Readiness

Welcome to the SAP Ariba Release Readiness portal - a central location to get up-to-date information and materials to help you prepare for upcoming releases.

2211 Release Resources

Review the <u>Feature List</u>. Includes brief descriptions, enablement model, and access to available KT and demos.

Discover the benefits coming with this release with the <u>Release Highlights</u>.

The <u>Release Summary</u> provides a downloadable overview of planned features with links to additional feature content.

The <u>What's New in SAP Ariba</u> guide provides full details on each feature.



Quick Links

Have a question?

Next Generation Cloud Delivery: IP Address Allow/Block List

Intelligent Source to Pay

<u>Cloud Integration</u> <u>Gateway (CIG)</u> <u>Community</u>

Guided Sourcing

© 2022 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC *** A PDF file and Recording of today's presentation will be posted in Release Readiness area of connectsupport. And a context of today's presentation will be posted in Release Readiness area of connectsupport. And a context of today's presentation will be posted in Release Readiness area of connectsupport. And a context of today's presentation will be posted in Release Readiness area of connectsupport. And a context of today's presentation will be posted in Release Readiness area of connectsupport. And a context of today's presentation will be posted in Release Readiness area of connectsupport.



Thank you.



Appendix: Additional information of possible interest



Communications Notice Recipients

Release Notifications are sent to all Designated Support Contacts by default and any other users that subscribe.

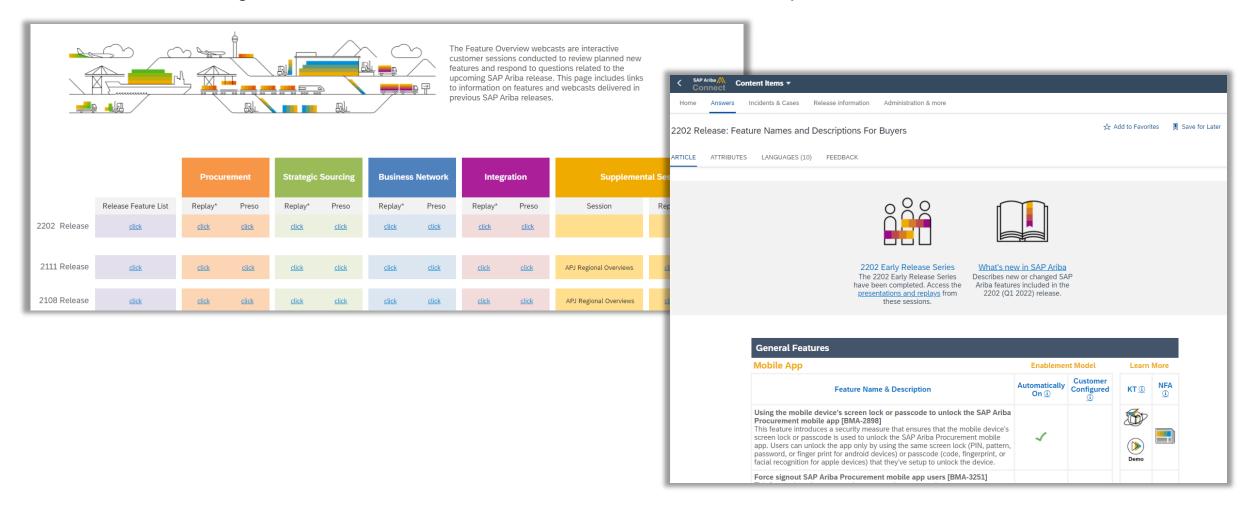
Best Practice:

- Encourage relevant team members to subscribe by clicking Administration & more / Administration / Subscriptions
- Announcements / News, toggle from No to Yes

Answers Incidents & Cases Release information	Administration & more			 < SAP Ariba ∧ Connect Subscriptions ▼ 	
Search	Working with Support	"email notifications", "user authorization"		Home Answers Incidents & Cases Release information Administration & more	
	Administration >	Subscriptions	ation	Subscriptions Default Email Address: rob.jones@sap.com	
News highlights		Contacts			
র্বে Adobe Sign Integration U	ser? Mandatory Changes F	Entitlements Download software		What notifications would you like to receive? Critical Incidents	
Image: SAP Ariba Strategic Procurement Support Webcast Manage On-Premise environments Issue Analysis Image: SAP Ariba Strategic Procurement Support Webcast Image On-Premise environments Issue Analysis Image: SAP Ariba Strategic Procurement Support Webcast Image On-Premise environments Issue Analysis			e Analysis	Critical Incidents Notifications regarding unscheduled downtime, product disruption, and product degradation.	
Or explore more applications				Announcements	
				News Notifications regarding new product releases, new features, and service pack availability.	
<u> </u>		60		Maintenance Notifications regarding scheduled downtime and security information/bulletins.	
User Managemen	:	Documentation & Learning	Critical Incidents		

Historical release information Archive page

Prior release materials grouped by product/solution area for quick reference. Listed in chronological order inclusive of feature lists and each solution area presentation and materials.







www.sap.com/contactsap

© 2022 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See <u>www.sap.com/copyright</u> for additional trademark information and notices.

