



Feature at a Glance

Taulia Solutions Integration with SAP ERP or SAP S/4HANA using SAP Integration Suite, Managed Gateway for Spend Management and SAP Business Network (IG-40204)

Content Owner: Uyen Santos & Janelle Swanson
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Introducing: **Taulia on SAP Integration Suite Management Gateway**

Customer Challenge

Customers are in need of the ability to leverage different levers within their enterprise to be successful working capital strategy and supply chain health. Taulia provides products that will allow buyers to enable Taulia Dynamic Discounting, Supply Chain Financing, and Virtual Cards to improve their working capital and improve the health of their supply chain.

Key Benefits

Enable customers to have integrated working capital solutions with a single add-on installation from SAP, with SAP Integration Suite Manage Gateway to orchestrate all the integrations.

Establishing the connectivity and document flow with Taulia and SAP Integration Suite Manage Gateway to pave the way to realize more working capital integration scenarios among various other applications within SAP in future.

Audience:

Buyer

Enablement Model:

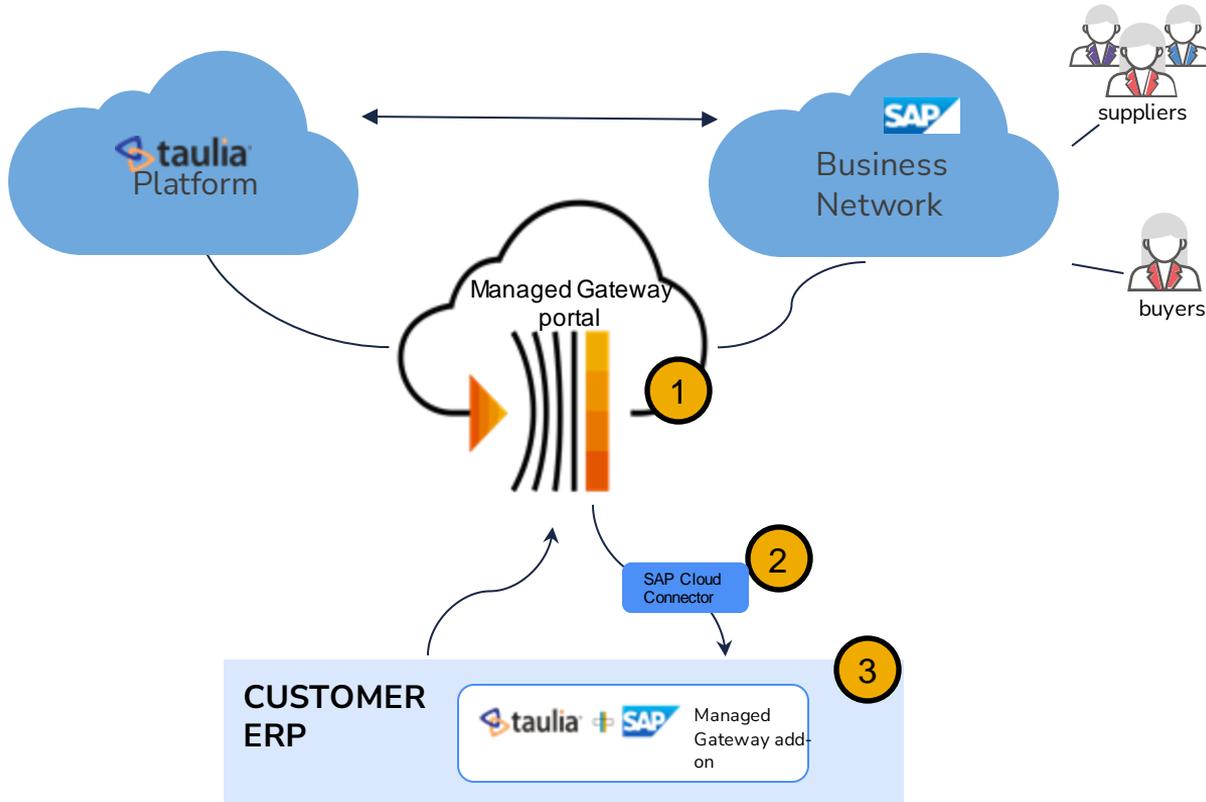
Customer Configured

Applicable Solutions:

Taulia Payables
Payment and Financing

- Dynamic Discounting
- Supply Chain Financing
- Virtual Cards

Enablement Steps & Notes



1. Integration via the SAP Integration Suite, Managed Gateway for Spend&Network portal is configured by Taulia Professional Services. Contact Taulia Professional Services by raising a service request with [Taulia support](#).
2. [Install and configure](#) Cloud Connector
3. [Install](#) and [configure](#) the SAP Integration Suite, Managed Gateway for Taulia add-on for SAP ERP or SAP S/4HANA



Prerequisites, Restrictions, Cautions

Prerequisites

- Buyers must use SAP ERP or SAP S/4 HANA (any supported version) as their ERP back-end system
- Buyers must have a signed contract in place to activate Taulia Working Capital solutions
- The correct ARBCI1 and TAUCI1 components must be installed in the ERP back-end system
- SAP Integration Suite, Managed Gateway for Spend&Network portal must be used with for connectivity between the Taulia Platform and the ERP back-end system
- SAP Cloud Connector must be used for inbound traffic to the ERP back-end system via the Managed Gateway portal

Restrictions

- The Taulia Managed Gateway Add-on is provided in the English language only
- Buyers will not have access to configure Taulia solutions in the SAP Integration Suite, Managed Gateway for Spend&Network portal – This will be done by SAP or Taulia services teams
- The feature “Taulia Payables Solutions: Single Sign-on (PAY-9301)” must be activated to enable suppliers to access the Taulia Working Capital solutions via the SAP Business Network



User Story

Taulia enables buyers to have control of their working capital using their supply chain.

- Offer early payment for Dynamic Discounting to reduce costs
- Offer Supply Chain Financing to improve working capital
- Offer Virtual Cards to streamline their payment process



Supply Chain Finance

Pay suppliers early with third-party capital using our Multifunder Platform and your relationship banks

Dynamic Discounting

Use your excess cash to earn discounts and improve your margins when suppliers elect to get paid early



Virtual Cards

Earn rebates on supplier payments and hold onto your cash for up to an additional 30 days



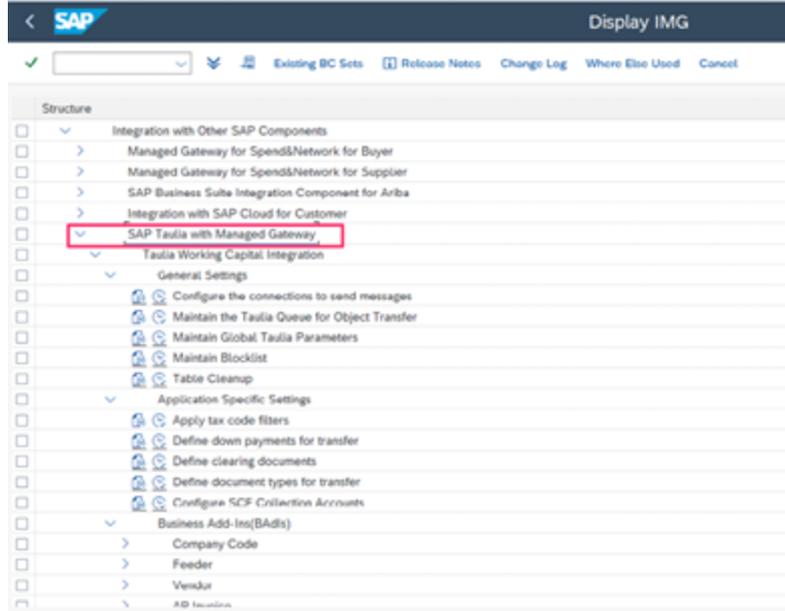
Taulia enables suppliers to get cash

- Get paid early, when they need it most
- Control over their cash flow
- Competitive rate on financing their invoices

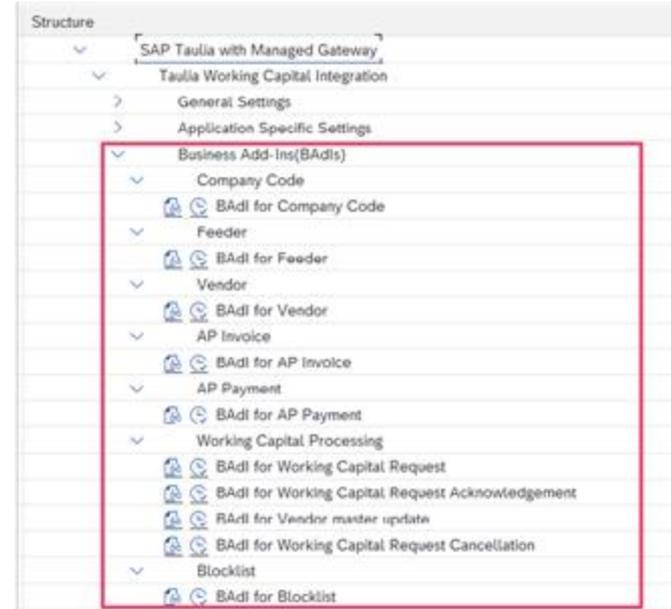
Suppliers can choose to accelerate payments on one or multiple invoices to meet target liquidity goal or automate early payments for all eligible invoices



Feature Details



Taulia IMG tree is created with the standard Add-on installation package



Customizations available via Business Add-In for each Taulia process



Feature Details

- Taulia processes automatically handle data replication to Taulia for:
 - Company Codes
 - Vendors
 - AP Invoices
 - AP Payments
- Processes are scheduled in SM36 or other background job management tool to handle data replication at user-defined intervals
- All company codes, all vendors and 12-month historical invoice and payment data is replicated automatically
- New/changed documents are replicated automatically
- Data selected for replication respects user-defined blacklist and custom code in BADs

Process	Process Description	Recommended Frequency
Company Code	Company Code extraction	Once a day
Vendor	Vendor data extraction	Every 15 minutes
AP Invoice	AP Invoice data extraction <ul style="list-style-type: none">- Initialization of 12 months historical data- Delta extractions of all new/changed documents	Every 15 minutes
AP Payment	AP Invoice data extraction <ul style="list-style-type: none">- Initialization of 12 months historical data- Delta extractions of all new/changed documents	Every 15 minutes



Feature Details

Invoice and payment data presented to suppliers in Taulia Supplier UI

The screenshot displays the Taulia Supplier UI. The main page is titled "My Invoices" and includes a search section with fields for Invoice Number, Purchase Order, and Invoice Status. Below this is a table of invoices. An "Early Payment Offer" modal window is open, showing details for invoice TESTDQNV5. The modal is divided into three steps: Step 1: Review Invoice Details, Step 2: Select Early Payment Date, and Step 3: Review Offer and Submit Request. A calendar is visible in Step 2, showing the date October 1, 2023, selected. The offer details include an invoice amount of 9,899.00 € and a discount amount of -378.36 €, resulting in a total payment amount of 9,520.64 €.

Invoice #	Inv. Date	PSL #	Due Date	Discount Amount	Status	Payment	Actions
TESTSCFNV3	Sep 30, 2023		Nov 29, 2023	1,234.00 €	Approved		
TESTDQNV5	Sep 30, 2023		Nov 29, 2023	9,899.00 €	Approved	Pay Me Early	
TESTSCFNV2	Sep 21, 2023		Nov 20, 2023	1,000.00 €	Approved		
TESTSCFNV1	Sep 21, 2023		Nov 20, 2023	300.00 €	Paid	1500000172	
TESTDQNV4	Sep 21, 2023		Nov 20, 2023	999.00 €	In process	Each.Payment	
TESTDQNV3	Sep 21, 2023		Nov 20, 2023	5,876.00 €	Approved	Agreed	
TESTDQNV2	Sep 21, 2023		Nov 20, 2023	1,234.00 €	Approved	Agreed	
TESTDQNV1	Sep 21, 2023		Nov 20, 2023	1,000.00 €	Approved	Agreed	

Working Capital offers presented to suppliers based on customer-defined segmentation

Feature Details



SAP Business Network suppliers can access Taulia Working Capital offers via an embedded UI

The screenshot displays the SAP Business Network interface with the Taulia Working Capital Management embedded UI. The main dashboard shows financial metrics: \$0.0, \$0.0, and \$62.4. A dropdown menu is open, listing options like Early Payments, Taulia Early Payments, and SAP Supplier Financing. The embedded Taulia interface features a table of Early Payment Offers with columns for Invoice No., Invoice Date, Customer, and Amount. Below the table are two charts: 'Receivables by Payment Week' and 'Expected and Past Due Receivables'. A blue arrow points from the 'My widgets' section to the 'Receivables by Payment Week' chart.

Invoice No.	Invoice Date	Customer	Amount
0000002286	June 6, 2022	Clack-Cole	\$43,968.00
000000272-05	June 6, 2022	West Bull	\$25,505.00
0000003372-09	June 6, 2022	West Bull	\$15,807.00
000000011290	June 6, 2022	Clack-Cole	\$24,269.00
000000001281	June 6, 2022	Clack-Cole	\$23,762.00

Feature Details



SAP Display Document: Line Item 001

Vendor: 60 Support Team Test Vendor G/L Acc: 161000
Company Code: DE01 123 Elm St
TauSAP A.G. Phoenix Doc. no.: 1900000167

Line Item 1 / Invoice / 31

Amount: 9.999,00 EUR
Tax Code:

Additional Data

Bus. Area: 0001	Disc. base: 9.999,00 EUR	Disc. Amount: 0,00 EUR
Pmnt Terms: TAUS	Days/percent: 1 3,784 % 0 0,000 % 0	Fixed:
Bline Date: 30.09.2023	Invoice Ref.:	
Pmnt Block:		
Pmt Method: C		
Assignment:		
Text:		Long text

Document details automatically updated in ERP to reflect Working Capital offers requested by suppliers

Feature Details



1. SAP standard transaction code SLG1 used to view application logs
2. SAP standard transaction code SRT_MONI used to monitor interface messages

Display Logs

Technical Information

1

Date/Time/User	Nu...	External Id...	Object text	Subject Text	Transac...	Program
14.06.2023 02:10:06 TAULIA	28	755517929387...	TAUCIG_EARL...	EP_DO		SAPMS5Y1
<ul style="list-style-type: none"> Problem Class Other 						

Message Text

```

Starting EP_DO processing, transaction IDs received:
Ba85a1e488b598e90188b738d0830013
Ba85a4d988b58e0a0188b738d0010012
Task 0001 with 2 WC requests for supplier relation 000030001123 submitted
Task 0001 processing logs:
Processing WC request for document 123 51000000092023
Documents in netted position:
123 51000000092023
Processing WC request for document 123 190000000312023
Documents in netted position:
123 190000000312023
Register data is not found for document 123 51000000092023
Number of payment register entries to be inserted/updated: 1
Setting register timestamp to: 20230614001005
1 records inserted/updated into payment register
WC request for document 123 51000000092023 accepted, transaction ID Ba85a1e488b598e90188b738d0830013
Setting queue timestamp to: 20230614001005
Number of queue entries to be inserted: 1
1 records inserted into queue
Register data is not found for document 123 190000000312023
Number of payment register entries to be inserted/updated: 1
Setting register timestamp to: 20230614001006
1 records inserted/updated into payment register
WC request for document 123 190000000312023 accepted, transaction ID Ba85a4d988b58e0a0188b738d0010012
Setting queue timestamp to: 20230614001006
Number of queue entries to be inserted: 1
1 records inserted into queue
Job submitted successfully for WC_ACK
    
```

Web Service Utilities: Message Monitor

Re-Select

2

Action Log Error Log Related Mess

Client 520 - Basic View

Num.	Status	Processing	Creation Da.	Creation	Execution D.	Executio.	Receiver Interface Name	Sender Interface Name	Message ID	Location	Adapter Ty.	User
70	Delivered		14.06.2023	02:15:04	14.06.2023	02:15:04	MessageAcknowledgeRequest_Async_In		56345D6DCDF04850A0885DASA3D83EBD	Provider	PLAINSOAP	TAULIA
69	Delivered		14.06.2023	02:14:59	14.06.2023	02:14:59		ApInvoiceExtract_Async_Out	42010AEF164E1ED82C90FF573E70755	Consumer	PLAINSOAP	TAULIA
68	Delivered		14.06.2023	02:10:09	14.06.2023	02:10:09	MessageAcknowledgeRequest_Async_In		0E15C4FEA6445D6A28C6003F898C9E1	Provider	PLAINSOAP	TAULIA
67	Delivered		14.06.2023	02:10:06	14.06.2023	02:10:07		EPAck_Async_Out	42010AEF164E1ED82C8FA1EEDAD2533	Consumer	PLAINSOAP	TAULIA
66	Delivered		14.06.2023	02:10:04	14.06.2023	02:10:06	EarlyPaymentRequest_Async_In		75551792938741DF837FD8773584893A	Provider	PLAINSOAP	TAULIA

Feature Details: SAP Integration Suite, Managed Gateway portal Org Sync - INTERNAL SAP and TAULIA

- Organization Id = should be taken from SAP CRM
- Customer Name
- Email Address - email to use as PUSER id creation
- Id = Taulia buyer id
- API - Taulia api key
- Taulia Data Center:
- Test - US goes to Taulia STAGING
- Production -
- US connects to Taulia NA1
- EU connects to Taulia EU

Notes:

- You have to enter the production buyer id even if you don't have one yet, it is a required field.
- The id (buyer id) should always be unique between all organizations
- Organization Name should be the same when you are adding or updating an additional env

The screenshot displays the 'Organization Profile' configuration page in the SAP Managed Gateway for SpendNetwork. The page is divided into two main sections: 'Organization' and 'Application Metadata'.

Organization Section:

- Action:** A dropdown menu with 'Upsert' selected.
- Organization Id:** Text input field containing 'CRMTAUDEMO1'.
- Email Address:** Text input field containing 'uyen.santos@taulia.com'.
- Gateway Data Center:** A dropdown menu with 'United States of America' selected, and 'Europe' as an alternative option.
- Customer Name:** Text input field containing 'Taulia Sales Demo SD4501'.

Application Metadata Section:

This section contains two tables, one for 'Test (1)' and one for 'Prod (1)'. Each table has columns for 'Id', 'API Key', 'Secret', 'Taulia Data Center', 'Time Zone', and 'Business Network Id'.

Id	API Key	Secret	Taulia Data Center	Time Zone	Business Network Id
b6b7a3685d2149e3a87e3d8...	bCrJhU5oVhmaNylq2gu23b...	*****	United States of America	America/New_York	AN1232-T

Id	API Key	Secret	Taulia Data Center	Time Zone	Business Network Id
12231	12123	****	United States of America	America/New_York	AN1232

At the bottom right of the form, there are 'Submit' and 'Clear' buttons.



Feature Details: SAP Integration Suite, Managed Gateway portal Configuration - INTERNAL SAP and TAULIA

The screenshot shows the SAP My Configuration portal with a 'Create Backend System' dialog box open. The dialog box contains the following fields:

- System ID: SD4CLNT501
- ERP Name: SAP S/4HANA
- ERP Version: 2022FPS01
- Cloud System:
- Time Zone: America/New_York
- Service Pack:
- Components: 10018 x | AddOnInfoT | ARBCIT0001 x

Buttons for 'Create' and 'Discard' are visible at the bottom of the dialog box.

Go to Data Center Access → click on the Customer Portal link that you setup your buyer Taulia Organization Sync profile in. US or NA

In the Customer Portal, go to My Configuration → Backend Systems

- Enter your System ID - SAP system ID
- ERP Name - ECC or S/4
- ERP Version
- Timezone of ERP system
- Components



Feature Details: SAP Integration Suite, Managed Gateway portal Configuration - INTERNAL SAP and TAULIA

Click on Connections → Create

- Name - name of the ERP
- Solution - Taulia
- Application - Taulia
- Application Identifier - Taulia buyer id
- Integration Method - Cloud Connector
- Document Format - AddOn

SAP My Configuration Organization: TauliaSalesDemo_SD4501

My Configuration / Connection Page

Create Connection

General Information Backend System Details Authentication

Connection Details	Application Details	Application Details
Name: * SD4-501	Solution: * Taulia	Integration Method: * CloudConnector
Environment: * Test Prod	Application: * Taulia	Document Format: * AddOn
	Application Identifier: * b6b7a3685d2149e3a87e3d8acc0ef363a	



Feature Details: SAP Integration Suite, Managed Gateway portal Configuration - INTERNAL SAP and TAULIA

Backend System Details

System ID: *	Client ID: *
SD4-501	501
URL: *	Location ID: *
cloudconnector.com	tbd

Authentication

Type: *	Username: *	Password: *
<input checked="" type="radio"/> Basic <input type="radio"/> Certificate	tbd	•••••

Fill in the backend system details to connect to the SAP system

- System ID - SAP system id from the backend system creation (Should be in the drop down once you configure the Backend system in the previous section)
- Client ID - the client
- URL - the virtual host for the backend system configured in the Cloud Connection
- Location ID - Location ID created on the Cloud Connector

Authentication:

- Basic or Certificate
 - Username - SAP system user (should be created by the customer)
 - Password - Password for system user

Thank you.

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