

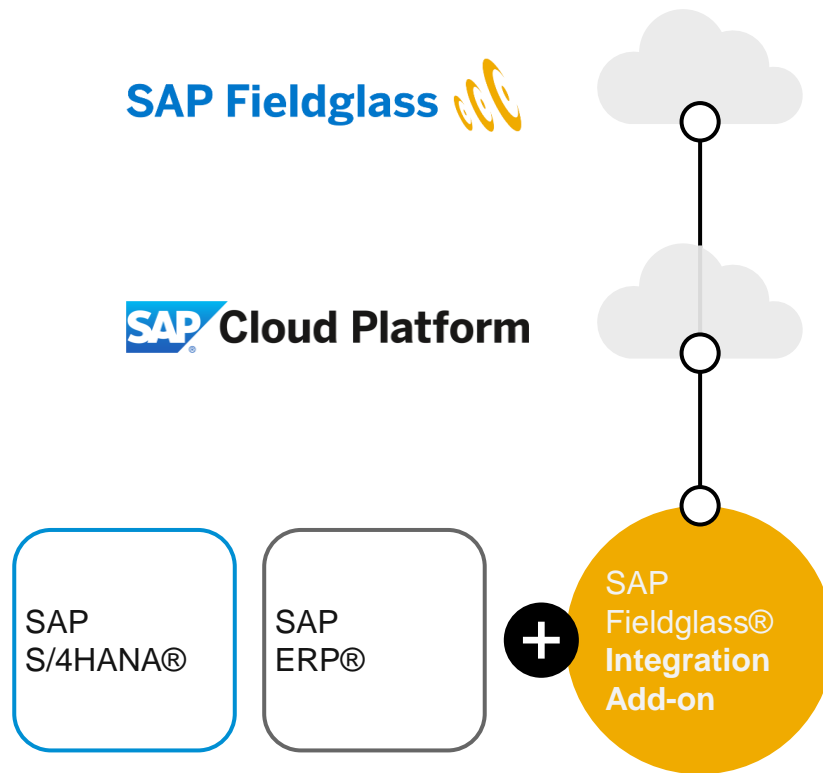


# SAP Fieldglass Integration with SAP ERP and SAP S/4HANA

SAP Fieldglass Integration Add-on – What's new with Feature Pack 1?  
October 26th, 2020



# SAP Fieldglass now comes with **ready-to-run integration** for SAP ERP and S/4HANA customers



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Add-on, installs on supported SAP ERP and SAP S/4HANA systems

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No separate server required

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Real-time connectivity

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Code-less integration

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Extensible, for custom data + requirements

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Included in subscription fee of SAP Fieldglass Services Procurement and Contingent Workforce Management (ERP Editions)

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# Two options for SAP backend integration of **SAP Fieldglass**

SAP  
S/4HANA®

SAP  
ERP®

## Scope with **SAP Fieldglass** Integration Add-on

### Integration scope:

- Master data
- Purchase requisitions
- Purchase orders
- Service entry sheets
- Invoice integrations
- Contracts / MSoW integration
- Workers / HCM integration
- Plant Maintenance processes
- SoWs initiated by purchase requisitions
- Supports multi-backend connectivity
- Extensible with enhancement spots, custom data and custom coding

### Available for:

- SAP ERP 6.0 EhP6+
- SAP S/4HANA On-prem
- Add-on installation
- uses SAP Cloud Platform Integration and Enterprise Messaging services
- does not support 'Lean Services' scenario, only MM-SRV / item type 'D'

### Included in **SAP Fieldglass** subscription fee:

- Deployment services
- Maintenance services
- Updates

SAP  
S/4HANA®

## Scope with **SAP S/4HANA** core integration

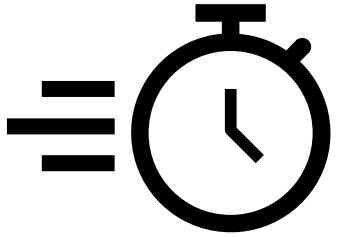
### Integration scope:

- Master data
- Purchase requisition
- Purchase order
- Service entry sheet
- Invoice integration

### Available for:

- SAP S/4HANA
- for 'Lean Services' scenario only, does not support MM-SRV / item type 'D'
- no Add-on required
- uses SAP Cloud Platform Integration service

# What's new with Feature Pack 1? **Integration goes real-time!**



## Event-driven real-time integration, leveraged by SAP Cloud Platform Enterprise Messaging:

- ✓ Always the latest master-data in SAP Fieldglass. New or changed data is instantly available.
- ✓ Currently supported for suppliers, cost objects and G/L accounts
- ✓ Faster process flow between SAP Fieldglass and SAP backend systems:
  - Approval/rejection of PR/PO immediately triggers approval/rejection of Workorder or SoW
  - Rejection of PR/PO due to blocked vendor, errors etc. immediately triggers rejection of Workorder or SoW
  - Invoice posting status updates are immediately returned to SAP Fieldglass invoices

# What's new with Feature Pack 1? Overview

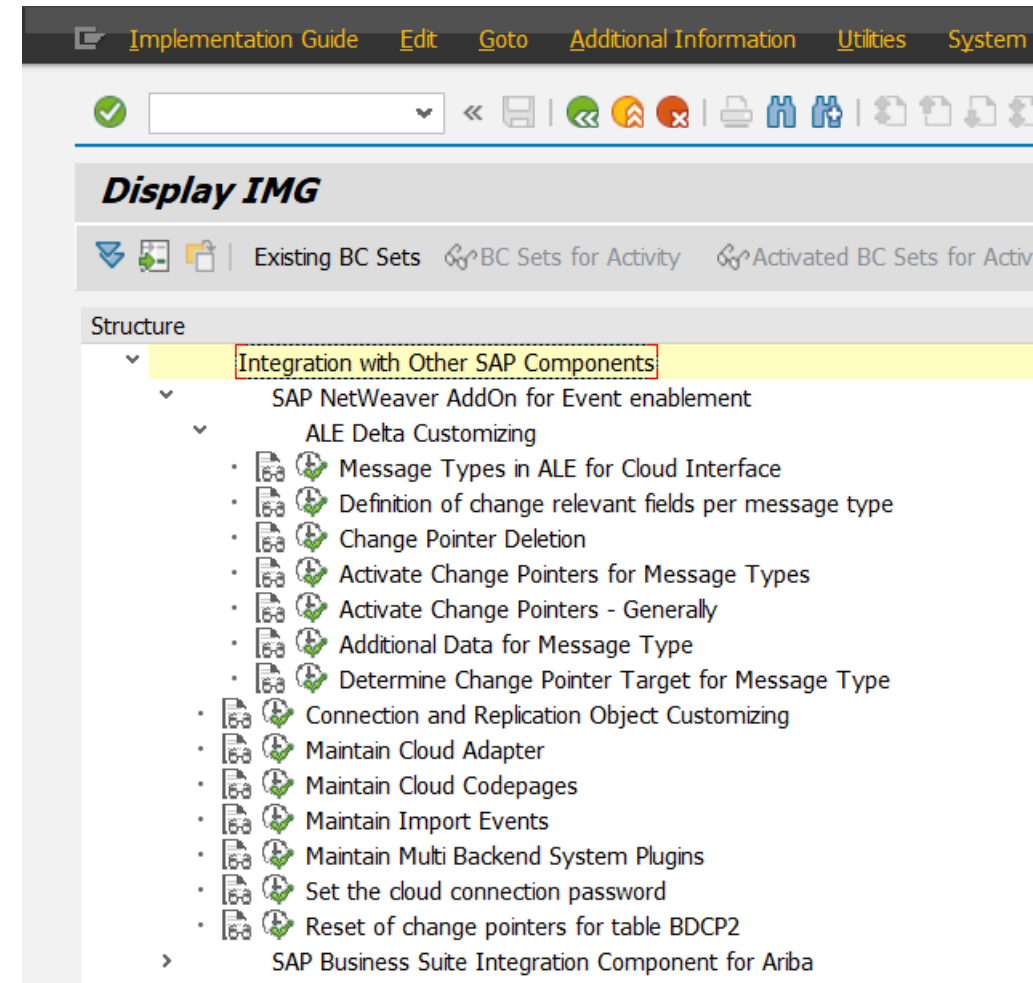
- ❑ **Real-time integration** via SAP Cloud Platform Enterprise Messaging
- ❑ **Time-dependent master data** now supported (e.g. for cost objects with validity in the future)
- ❑ **Additional BAdI call** for purchase order changes, to allow for custom-specific process adoption
- ❑ **Code-less** support of new field for *account assignment categories* in SAP Fieldglass
- ❑ **'Reason' comment**, when closing a cost object, is now configurable
- ❑ **Improved monitoring**: overview of KPIs on start screen, e.g. number of errors, call duration and data volumes
- ❑ **Auto-tracing** of failed technical communication
- ❑ **Additional referenced data checks** for better process stability (e.g. presence check for 'PM order' before SoW posting)



For a full list of features, please visit SAP Help at <https://help.sap.com/viewer/e745d2cc4d114bbf92d2eea49eda9af4/1.0/en-US>

# End-to-end integration approach – easy to implement, adopt and operate

- ❑ **Add-on** for SAP NetWeaver® systems, easy to implement, adopt and operate
- ❑ Can be fully **configured in SAP Customizing Implementation Guide**
- ❑ Comes with an extensive **monitoring application**
- ❑ Uses **SAP Cloud Platform** Integration Service and Enterprise Messaging Service (Customers can choose between a complimentary SAP Fieldglass-provided SCP instance or use their own)
- ❑ SAP supports customer during installation, connectivity set-up and initial configuration with **SAP Fieldglass Deployment Services**



## Best practice with scalable integration scope



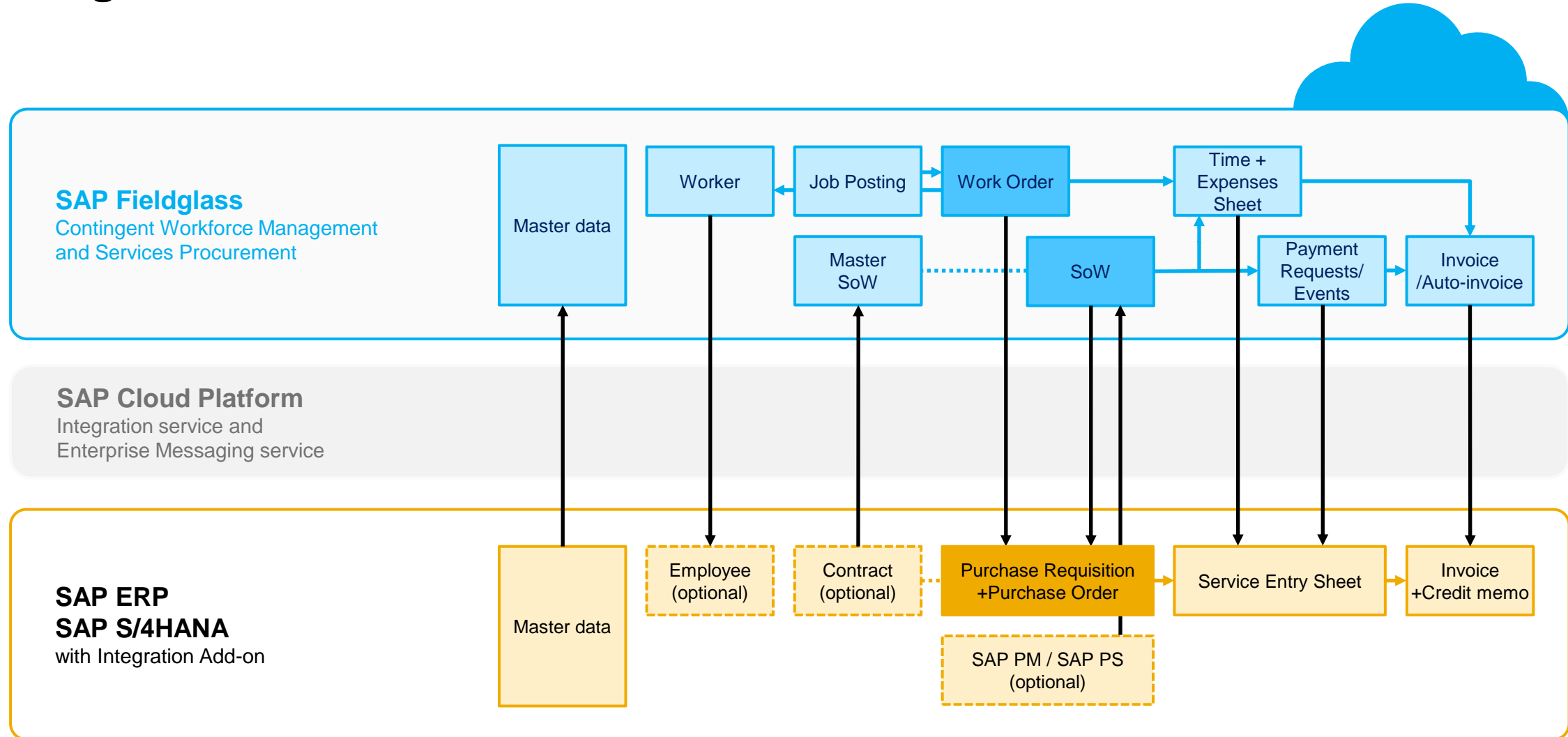
SAP Fieldglass® Integration Add-on comes as a full-featured package, with many options. You can choose the appropriate integration scenario – during the SAP supported deployment phase or after.

Available scenarios are:

- ❑ **Master data & invoice** integration only
- ❑ **Procurement** integration scenario, including master data and full procurement process integration
- ❑ **Plant Maintenance** integration scenario, including above plus SAP backend-initiated processes, e.g. creating SoWs from SAP Plant Maintenance orders.
- ❑ Optional additional scenarios: **Contract/MSoW integration, Worker/HCM integration**

→ All integration scenarios come with ‘**Recommended Solution Settings**’, to reduce project effort and risk, while leaving you all options for future scalability.




# Integration data flow



- Job Postings/Work orders and SoWs are process start points in SAP Fieldglass (except for Plant Maintenance scenario)
- Picture does not show available revision and status update integrations, for better readability
- Dotted lines = optional integration scenarios



# Master data integration options

SAP Fieldglass object	Configuration options	Special features
<b>Legal Entities</b>	Company codes (code and description)	Filter function available, to restrict list of company codes
<b>Business Units</b>	<input type="checkbox"/> Purchasing organisations from SAP system <input type="checkbox"/> Organizational units from SAP system <input type="checkbox"/> Company codes from SAP system	Only purchasing organisations assigned to the selected company codes ('Legal Entities') will be uploaded
<b>Sites</b>	Plants (code and description)	Filter function available, to restrict list of plants
<b>Locations</b>	<input type="checkbox"/> Storage locations <input type="checkbox"/> EHS work areas	Work areas from SAP EHS are supported
<b>Users and roles</b>	<input type="checkbox"/> Users <input type="checkbox"/> Roles, mapped to SAP Fieldglass roles	Fully manage your SAP Fieldglass users with established SAP user management processes
 <b>Suppliers</b>	<input type="checkbox"/> Upload existing suppliers <input type="checkbox"/> Auto-invite existing suppliers	Mark vendors for upload, using vendor classification: 'Temp. Labor' for Contingent Workforce, 'SoW Worker' for Services Procurement, or both.
 <b>Cost objects</b>	<input type="checkbox"/> Cost centers <input type="checkbox"/> WBS elements <input type="checkbox"/> Internal orders <input type="checkbox"/> Network activities <input type="checkbox"/> PM orders	Considers relation of accounting objects to company code
 <b>G/L accounts</b>	G/L accounts	Considers relation of G/L accounts to company codes
<b>Task codes</b>	Company codes + Task codes	Creates task codes from company codes and G/L accounts



# Scope details for **Procurement** integration

## Features for Workorders + SoWs:

- WOs and SoWs create SAP PRs
- optionally: create PO directly
- optionally: trigger approval process in SAP

## Features regarding SAP item types:

- SAP item type 'D' (services) is required
- limit amounts can be used
- service lines can be used

## Features for WO+ SoW revisions:

- create a PR with deltas only
- optionally: direct PO update
- optionally: update original PR

## Features for SES creation:

- 1 line in FG timesheet results in 1 line in SAP SES ('Multiline SES')
- for contingent work timesheets, the FG timesheet is summed up to 1 line item in SAP SES (per default)

## Features for SES revisions:

- timesheets + payment requests for SoW: old SES are revoked/deleted and created newly
- if a revision means reduction of amounts/values in SAP invoice, a subsequent credit document is created to adjust the initial SAP invoice.
- if a revision means increase of amounts/values in SAP invoice, an additional SAP invoice is created
- expense sheets do not support revisions currently (instead, the FG invoice is changed and transferred to SAP)

# Scope details for **Plant Maintenance** integration

## Features for SAP Plant Maintenance (PM) Orders:

- Selection criteria for relevant PM orders for SAP Fieldglass integration can be configured
- PM order operations create a PR
  - one PR line item results in one FG SoW
  - PM orders integrate to SoW only, not to workorders
- revisions can be performed through new PM order operations (with a reference to the initial operation)
- FG vendor id is required in SAP supplier master record

## Features for SAP Project System (PS) Networks:

- Selection criteria for relevant PS network activities for SAP Fieldglass integration can be configured
- PS network activities create a PR
  - one PR line item results in one FG SoW
  - PS network activities integrate to SoW only, not to workorders
- revisions can be performed through new PS network activities (with a reference to the initial operation)
- FG vendor id is required in SAP supplier master record

## **Feature highlights:**

**Automated supplier onboarding**

**Worker/HCM integration**

**Extensibility**

# Easily on-board existing suppliers, with 'Auto-invite'



Easily **on-board your existing suppliers** by e-mail invitation:  
existing vendor data is uploaded and completed through supplier

- the Add-on can upload all SAP suppliers classified/marked as relevant for SAP Fieldglass processes
- vendor master in SAP Fieldglass with reference to the SAP supplier ID is created automatically
- if auto-invite option was selected, an invitation email gets sent to the first supplier contact person
- supplier clicks link in e-mail and registers with SAP Fieldglass
- master record is created in SAP Fieldglass, with reference to SAP supplier ID
- supported data:
  - SAP supplier ID
  - supplier name
  - primary street address of supplier
  - first and last name + email address of primary contact person

Admin Configuration / Supplier List / Supplier / Details

Supplier

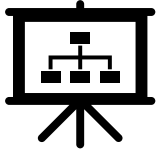
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Details

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Average Score	
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ZIP/Postal Code	80992
Supplier Company Contact Person	Churkin, Alexander( kevin.brown01@sap.com)

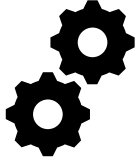
# Built-in integration with SAP HCM



## Integrate **Workers** from SAP Fieldglass Contingent Workforce Management with **SAP HCM** system/module

- supports separate SAP HCM systems + HCM modules running within SAP ERP or SAP S/4HANA
- the integration is triggered by the following actions in SAP Fieldglass for an employee:
  - Hire
  - Change
  - Terminate
  - Re-hire
- the employee data record is transferred to the SAP system
- required positions and jobs are created/updated/deleted in the organizational structure
- attributes of the worker are stored in the corresponding SAP HCM ‘infotypes’
- one SAP employee is created/updated/deleted per employee
- the created SAP personnel number is reported back to SAP Fieldglass

# Extensibility



## SAP Fieldglass Integration Add-on offers a variety of extensibility options

- ❑ Enhancements spots/BAdIs allow custom-specific process adoptions
- ❑ Conversion exits, for custom data changes on field-level
- ❑ Build additional custom interfaces with ease, and manage them with built-in configuration and monitoring options



# **Deployment services** **and installation info**

# Deployment services for the SAP Fieldglass Integration Add-on

## Deployment Services

- SAP supports you in connecting the Add-on, presentation of the "Recommended Solution" settings, available options and implementation support
- part of SAP Fieldglass solution deployment
- up to 4 weeks support (remote), within the standard deployment services timeline
- deployment services are included in the SAP Fieldglass 'ERP Edition' solution subscription

Phase	Discover	Prepare	Explore	Realize	Deploy	Run
Deployment Services for Contingent Workforce Management or Services Procurement	2 weeks	3 weeks	8 weeks	5 weeks	4 weeks	6 weeks
Deployment Services for das Integration Add-on 1.0				4 weeks		



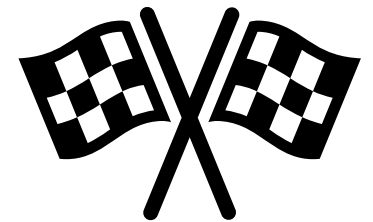
# Technical info for the SAP Fieldglass Integration Add-on

- The add-on is installed and operated within the supported SAP NetWeaver systems
- No separate server required
- Uses SAP Cloud Platform Integration service / Integration Suite (CPI) and Enterprise Messaging service
- Standard 'Integration Flows' are available for CPI at [api.sap.com](https://api.sap.com)
- Very low performance impact
- Secure application integration based on proven SAP NetWeaver technologies
- Integrated configuration layer (SAP Implementation Guide) and monitoring app
- Including Deployment Services to support the implementation
- Current system requirements (for SAP ERP; also supports SAP S/4HANA 1609+)  
(Please check SAP Product Availability Matrix for latest information)

SAP Component	Release	SP	Package	Description
SAP_BASIS	731	0002	SAPKB73102	SAP Basis Component
SAP_ABA	731	0002	SAPKA73102	Cross-Application Component
SAP_APPL	606	0001	-	SAP ECC 6.0 EhP 6, Business Function LOG_MM_CI_2

## Further Information

- ✓ SAP Help documentation: <https://help.sap.com/viewer/e745d2cc4d114bbf92d2eea49eda9af4/1.0/en-US>
- ✓ SAP Release Notes: [SAP Note 2927040](#), [SAP Note 2927114](#)
- ✓ The software can be found on SAP Support Portal (search for 'ASANWEE' and 'ASAFGEE') at <https://launchpad.support.sap.com/#/softwarecenter>
- ✓ ASAPIO info page: <https://www.asapio.com/fieldglass>



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