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SAP Enable Now System Requirements Cloud Edition

Table of Contents

1	Introduction	3
1.1	What is the Cloud Edition?	3
1.2	Cloud Edition versus On-Premise Edition.....	4
2	Running cloud applications.....	6
2.1	System requirements.....	6
2.2	Common Browser Settings	7
2.3	Network Requirements	7
2.4	SAP Enable Now App Launcher.....	8
2.5	Local data storage	8
3	Environmental customization.....	9
3.1	How to predefine application storage paths globally	9
3.2	How to customize the storage paths locally	9
4	User management	11
4.1	How to connect your Corporate User Store with the SAML provider.....	11
4.2	What happens on SAML authentication?	12
5	How to start cloud applications	13
5.1	Starting applications	13
6	Application-specific requirements	15
6.1	SAP Enable Now Producer (author workplace).....	15
6.2	SAP Enable Now Manager	16
6.3	SAP Enable Now Instant Producer (author workplace).....	17
6.4	SAP Companion for desktop (learner workplace).....	18
6.5	SAP Enable Now SLC Player (learner workplace)	19
6.6	Functionality of library, trainer and book reader (learner workplace).....	19
6.7	SAP Companion.....	21
7	Technical Support.....	24
8	Important Disclaimers on Legal Aspects	25

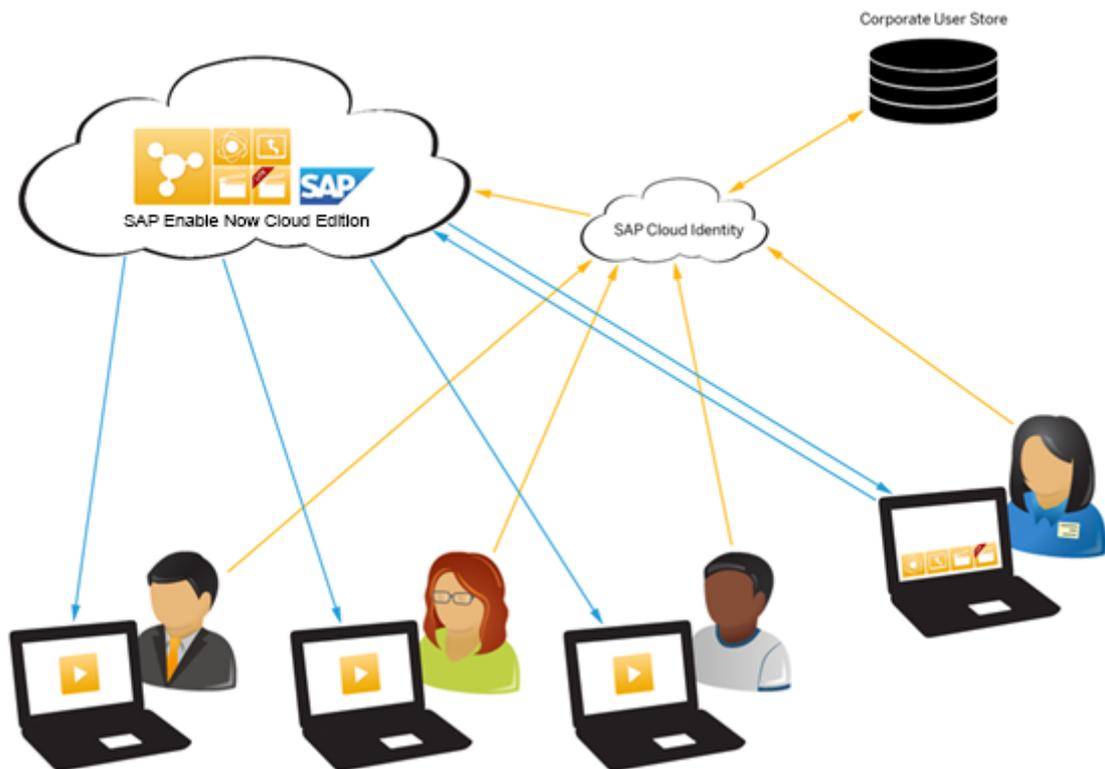
1 Introduction

This document gives an overview of the SAP Enable Now Cloud Edition and the minimum system requirements in order to use this SAP product successfully.

1.1 What is the Cloud Edition?

SAP provides a cloud solution based on the high performance of the HANA database. With this solution, not only data is stored in the cloud and then available via internet connection anywhere at any time, but the necessary applications for content creation, content editing (Producer, Instant Producer), and navigation playback (Desktop Assistant) are also provided on demand. You just need access to the URL of the portal, your login credentials, and a computer that meets the relevant application requirements without any need to pre-install the software and you are able to use the most recent software version with the newest features at any time.

If you use the [SAP Cloud Identity Services](#), your users can benefit from using their corporate credentials to log on.



1.2 Cloud Edition versus On-Premise Edition

See the following comparison for the differences between the Cloud Edition and the On-Premise Edition:

	Cloud Edition	On-Premise Edition
Setup / Configuration		
Pre-Installation	Not needed, directly downloaded and provided using Java Web Start technology	Manual installation or by software deployment tools
Producer / Instant Producer connection to Manager / Central workarea	Connected by default with respective central workarea. No manual connection setup required.	Manual connection setup required by defining Manager URL and workarea ID
Resource provisioning Manager	Manager workareas are created with resources already included.	Manager workareas are created empty. Resources have to be uploaded initially using the Producer.
Resource update by Manager	All Manager workareas are automatically updated on Manager version update.	The resources of Manager workareas have to be updated using the Producer.
Update of workarea resources and local retrieval for Producer and Instant Producer	Automatic check on application startup	Enterprise Edition: To be triggered manually via Synchronize workarea (Producer) Automatic check for Instant Producer
User authentication	SAML/Basic authentication <ul style="list-style-type: none"> • Only identified users have access (no anonymous access) • Requires SAML provider 	Active Directory, basic authentication
Manager UI branding	Not available	Available via style editor
Updates		
Application update to latest SAP Enable Now versions	Automatic updates by SAP	Manual
Other		
Usage of multiple local workareas	Only current connected central workarea	Yes

Archive import via Manager interface	Existing content or resources in a dkp-archive can be uploaded directly in the Manager interface	Existing content or resources in a dkp-archive has to be uploaded from a Producer instance
Content consumption access	On every device with Internet connection – see <i>Application-specific requirements</i>	On every device with Internet / network connection – see <i>Application-specific requirements</i>
Available storage	Default: 50GB, can be increased on request	Depends on customers' infrastructure

2 Running cloud applications

In this chapter you will find the necessary requirements to use and run the SAP Enable Now Cloud Edition. For more detailed system requirements of individual cloud applications, see chapter *Application-specific requirements*.

2.1 System requirements

The following requirements must match the Cloud Edition of the SAP Enable Now on each user machine.

Type	Specifications
Operating system	Supported systems and versions: <ul style="list-style-type: none">• 32 & 64 bit versions of Microsoft Windows 10 (without tile mode)• Microsoft Windows 11 Visual C++ Redistributable Packages for Visual Studio 2013 required
Browser	<ul style="list-style-type: none">• Microsoft Edge 100• Mozilla Firefox 100• Google Chrome 100
Software dependencies	SAP Enable Now App Launcher. For details see SAP Enable Now App Launcher guide .
Environmental requirements	User read/write access for (temporary) storage path See chapter Local storage of the cloud applications

i Note

For the application-specific browser settings, see the [relevant application manuals](#).

2.2 Common Browser Settings

The following browser settings are required to start the desktop components. The settings are browser platform independent.

Requirement	Description
Enabled JavaScript	All functions of the web application and content playback are based on the use of JavaScript. Enable JavaScript in your browser.
Deactivated popup blocker	No matter which popup blocker you use, you must disable the blocking of popups for the location from which you are loading the application and content.
Activated cookies	After successfully logging on, your session information is stored in cookies. You should therefore activate cookies in your browser to ensure that this information is saved correctly.
Security settings	We recommend that you add the Cloud Service pages to the browser's Trusted Sites section to ensure your browser accepts the required Java applets.

2.3 Network Requirements

Your network must meet the following requirements to run the applications and to enable successful communication between cloud applications and the server.

Requirement	Description
Connectivity	Minimum 2 MB connection speed (recommended: 10 MB or higher).
Port availability	All communication is handled by the default port where the server is available. This is usually Port 443 (SSL) or port 80 (HTTP). Ensure these ports are available on each user machine.
Trusted certificates	Ensure that server certificates are signed correctly and trusted on each user machine.
IP ranges	Ensure that IP ranges of the Cloud Service are permitted on each user machine. You can find IP ranges of SAP BTP here . For more information see this SAP Note .
Firewall / Browser Security	Ensure that address of the Cloud Service is not blocked by local Firewall routines and is part of the trusted sites location on each user machine.

2.4 SAP Enable Now App Launcher

How to activate App Launcher

1. Open the Manager.
2. Go to **Administration > Server Settings**.
3. Scroll down to section **Miscellaneous**.
4. Activate the setting **Use SAP Enable Now App Launcher**.
5. Click **Save** to save your changed server settings.

How to install the App Launcher

The SAP Enable Now App Launcher is required to be installed on every end user machine starting a locally running application component of SAP Enable Now (Producer, Instant Producer, Instant Recorder, Desktop Assistant).

The installation file is located in your cloud server instance and can be downloaded by adding the subpath `./app/SAP-Enable-Now-Launcher.msi` to the application path of your instance, e.g:

`http(s)://yourdomain/your_instance/app/SAP-Enable-Now-Launcher.msi`

Thus you can simply roll it out by sharing this url.

Alternatively you can download this file once and let it be rolled out globally by your system administrator.

2.5 Local data storage

Although all content and all application sources are hosted by the SAP BTP, the runtime files for the applications that run locally (Producer, Instant Producer, and Desktop Assistant) and the working content need to be stored on end users' local machines. Therefore, these machines need to comply with the individual application requirements as mentioned for each application in chapter *Application-specific requirements*.

The SAP Enable Now cloud applications and according content data are stored in the following directories in users' local application data by default.

Dataset	Storage path
SAP Enable Now cloud applications (all)	<code>%TEMP%\wpb_cloud\</code>
Workarea content	<code>%LOCALAPPDATA%\CloudWA\</code>

3 Environmental customization

3.1 How to predefine application storage paths globally

You can specify via the server settings a common path the application will be stored on each user machine.

1. Open the Manager interface in your browser.
2. Go to **Administration > Server Settings**.
3. Scroll down to section **Miscellaneous**.
4. Specify the common path in setting **Download Path for Cloud Installation**.

→ Recommendation

You can use system variables like `%USERPROFILE%` for path specification.

3.2 How to customize the storage paths locally

i Note

You need to restart the system for changes to take effect.

Workarea content

You can customize the path where the workarea content will be stored. This enables you to store data statically on machines, which are reset after usage, for example, virtual machines or Citrix environments.

1. Open **Control Panel > System > Advanced System settings**
2. Click **Environment Variables...**
3. Click **New...** below **System variables** list
(or alternatively the list **User variables for <user>**, if preferred as user-specific customization).
4. Enter `WPBCLOUD_WA_BASE` into field **Variable name**.
5. Enter your individual path into field **Variable value**.
6. Confirm.

Application storage path

You can customize the path where the downloaded application files will be extracted and stored. This enables you to store the application files statically, for example to make it unaffected from regular running cleanups of the Temporary files directory or status resets of virtual machines.

1. Open **Control Panel > System > Advanced System settings**
2. Click **Environment Variables...**

3. Click **New...** below **System variables** list
(or alternatively the list **User variables for <user>**, if preferred as user-specific customization).
4. Enter **WPBCLOUD_APP_BASE** into field **Variable name**.
5. Enter your individual path into field **Variable value**.
6. Confirm.

Using Windows command prompt or batch

You can customize the path as well via the command line, for example, to roll out the customization as a system administrator or as batch file.

User-specific customization

Enter the following commands into the command line tool or save it as batch file (*.bat). Individualize the placeholder (<...>) according to your needs.

- Workarea folder:
`setx WPBCLOUD_WA_BASE "<path_without_slash_at_the_end>"`
- Installation folder:
`setx WPBCLOUD_APP_BASE "<path_without_slash_at_the_end>"`

System-wide customization

Start the command line tool as an administrator, respectively call the created batch file as administrator.

Enter the following commands into the command line or save it as batch file (*.bat). Customize the placeholder (<...>) according to your needs.

- Workarea folder:
`setx WPBCLOUD_WA_BASE "<path_without_slash_at_the_end>" /M`
- Installation folder:
`setx WPBCLOUD_APP_BASE "<path_without_slash_at_the_end>" /M`

4 User management

The Cloud Edition of the SAP Enable Now Manager supports user authentication via **SAML based Single Sign-On** and **Basic Authentication**.

i Note

- While SAP Enable Now Cloud Edition offers several options to enable user authentication / single-sign-on, SAP strongly recommends to leverage the [SAP Cloud Identity Services](#) for this purpose. SAP Enable Now Cloud edition will take responsibility for any authentication issues only if the target applications are configured using [SAP Cloud Identity Services](#). Please be aware that using any other user authentication options will be at your own risk.
- You can also setup multi-factor authentication using SAP Cloud Identity Services. See [Identity Authentication documentation](#) for details.

4.1 How to connect your Corporate User Store with the SAML provider

To connect your Corporate User Store with the SAP Cloud Identity Authentication service two options are available:

1. Via individual SAML provider

In case you have a SAML 2.0 compatible identity provider, you can connect it to SAP Enable Now with SAP Cloud Identity Services tenant, as well as without it. If you want to use SAP Companion, we recommend to use IAS. See this [SAP Note](#) for more details.

2. Via SAP Cloud Connector

In case you don't have an individual SAML 2.0 provider, you can connect your Corporate User Store via the SAP Cloud Connector using LDAP.

Read more about the different setups and requirements of how to configure SSO in the [SAP Enable Now Info Center](#).

You can find more information in the following sources:

- [Detailed information on the SAP Cloud Identity Services](#)
- [Detailed information on how to connect your Corporate User Store with Identity Authentication service](#)

i Note

- Single Sign-On works only in combination with the SAP Cloud Identity provider.
- You can create hierarchical Active Directory structures using SAML. SAML needs to send a **distinguishedname** attribute for it to work. See the example of how to create structures below:

```
</Attribute>
```

```
    <Attribute
      Name="distinguishedname">
      <AttributeValue
        xmlns:xs="http://www.w3.org/2001/XMLSchema"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="xs:string">
        CN=SAPUSER,
        OU=D,
        OU=Identities,
        DC=SAPDOMAIN,
        DC=corp,
        DC=sap
      </AttributeValue>
    </Attribute>
```

- You can also overwrite Excel users with SSO users. The following attributes must match completely for this to work:

First Name (case sensitive)

Last Name (case sensitive)

Email (case sensitive)

Name ID (not case sensitive)

4.2 What happens on SAML authentication?

In a SAML-based scenario each user is created automatically in the Manager on his first visit and automatically logged on.

By default users are created within the Organizational Unit **Imported Users** and automatically assigned the role **Learner**.

By default SAML does not provide hierarchical user structure information, role or Organizational Unit assignment, however, this can be done using **distinguishedname** attribute. See the previous chapter for details and example.

5 How to start cloud applications

The SAP Enable Now cloud applications are started by workarea-specific links or directly from within the Manager interface.

i Note

The SAP Enable Now cloud applications run on Microsoft Windows only. Read the *Application-specific requirements* chapter for details.

5.1 Starting applications

Start from the Manager interface

To start applications from within the Manager interface, proceed as follows:

1. Logon to the Manager.
2. Select your workarea from the [Workareas](#) menu.
3. Start a desktop component:
 1. **Producer**
Select [Open Producer](#) from the header bar.
 2. **Instant Producer**
Select [Open Instant Producer](#) from the header bar.
 3. **SAP Companion for desktop**
Select a [SAP Companion for desktop](#) group or project. Then select [Play](#) from the top of the property sheet.

Start by using links

You can build up individual start links to be provided by email or used as a shortcut. To do so, use the following templates and replace the placeholders with your individual values.

Application	Link
Producer	<p><code>http(s)://<domain>/<manager_instance>/wa/<workarea_id>/producer</code> For example: <code>https://myserver/manager/wa/main/producer</code></p>
Instant Producer	<p><code>http(s)://<domain>/<manager_instance>/wa/<workarea_id>/ipro</code> For example: <code>https://myserver/manager/wa/main/ipro</code></p>
Desktop Assistant	<p>SAP Companion for desktop object / group</p> <p><code>http(s)://<domain>/<manager_instance>/wa/<workarea_id>/group/<UID_of_desktop_assistant_group>/inav</code></p> <p>For example: <code>https://myserver/manager/wa/main/group/GR_DCF904D28224F7B3/inav</code></p> <p>SAP Companion for desktopproject (Context help / Guided tour)</p> <p><code>http(s)://<domain>/<manager_instance>/wa/<workarea_id>/project/<UID_of_desktop_assistant_project>/inav</code></p> <p>For example: <code>https://myserver/manager/wa/main/project/PR_59982A779E8B8B2/inav</code></p>

6 Application-specific requirements

6.1 SAP Enable Now Producer (author workplace)

Type	Specifications
Operating system	Supported systems and versions: <ul style="list-style-type: none">• 32 & 64 bit versions of Microsoft Windows 10 (without tile mode)• Microsoft Windows 11 Visual C++ Redistributable Packages for Visual Studio 2013 required
Processor	Intel® Core™ i series, at least 1.2 GHz
Memory	A minimum of 4 GB
Monitor	Minimum resolution of 1024x768
Hard drive	Required free space: <ul style="list-style-type: none">• Application files: at least 200 MB of free space• Content files: at least 2 GB of free space, depending on amount/size of workarea content and amount of workareas
Browser	Supported browsers and versions: <ul style="list-style-type: none">• Microsoft Edge 100 (Enablement Assistant Microsoft Edge extension required)• Google Chrome 100 (Enablement Assistant Google Chrome extension required)
Soundcard	Any soundcard For production of audio lessons and book pages
Microphone	Any microphone For recording of audio

Scenario	Requirement
SAP Business Suite	SAP GUI Scripting activated (serversided and role-specific)
Java Applications	Java Access Bridge activated
Documentation Generation	Supported versions: <ul style="list-style-type: none"> • Microsoft Office 2019 (Word and PowerPoint) • Microsoft Office 365 (Word and PowerPoint desktop only)
ViFlow	ViFlow 5.0

6.2 SAP Enable Now Manager

Type	Specifications
Browser (Client interface)	<ul style="list-style-type: none"> • Microsoft Edge 100 • Mozilla Firefox 100 • Google Chrome 100

i Note

To use the browser-based project editor, ensure to have Microsoft Internet Explorer's **Enterprise Mode** deactivated.

6.3 SAP Enable Now Instant Producer (author workplace)

Type	Specifications
Operating system	<p>Supported systems and versions:</p> <ul style="list-style-type: none"> 32 & 64 bit versions of Microsoft Windows 10 (without tile mode) Microsoft Windows 11 <p>Visual C++ Redistributable Packages for Visual Studio 2013 required</p>
Processor	Intel® Core™ i series, at least 1.2 GHz
Memory	A minimum of 2 GB
Monitor	Minimum resolution of 1024x768
Hard drive	<p>Required free space:</p> <ul style="list-style-type: none"> Application files: at least 200 MB of free space Content files: at least 1 GB of free space, depending on amount/size of content to be created
Browser	<p>Supported browsers and versions:</p> <ul style="list-style-type: none"> Microsoft Edge 100 (Enablement Assistant Microsoft Edge extension required) Google Chrome 100 (Enablement Assistant Google Chrome extension required)

Scenario	Requirement
SAP Business Suite	SAP GUI Scripting activated (serversided and role-specific)
Java Applications	Java Access Bridge activated
Documentation Generation	<p>Supported versions:</p> <ul style="list-style-type: none"> Microsoft Office 2019 (Word) Microsoft Office 365 (Word desktop only)

6.4 SAP Companion for desktop (learner workplace)

SAP Companion for desktop is essential for the playback of SAP Companion for desktop content.

Type	Specifications
Operating system	<p>Supported systems and versions:</p> <ul style="list-style-type: none"> • 32 & 64 bit versions of Microsoft Windows 10 (without tile mode) • Microsoft Windows 11 <p>Visual C++ Redistributable Packages for Visual Studio 2013 required</p>
Memory	A minimum of 1 GB
Hard drive	<p>Required free space:</p> <ul style="list-style-type: none"> • Application files: at least 100 MB of free space • Content cache: depending on amount of content/ content size
Browser	<p>Supported browsers and versions:</p> <ul style="list-style-type: none"> • Microsoft Edge 100 (Enablement Assistant Microsoft Edge extension required) • Google Chrome 100 (Enablement Assistant Google Chrome extension required)

Scenario	Requirement
SAP Business Suite	SAP GUI Scripting activated (serversided and role-specific)
Documentation Generation	<p>Supported versions:</p> <ul style="list-style-type: none"> • Microsoft Office 2019 (Word) • Microsoft Office 365 (Word desktop only)

6.5 SAP Enable Now SLC Player (learner workplace)

The SAP Enable Now SLC Player is essential for the playback of offline learning content packages in file format .slc. See chapter [Functionality of library, trainer and book reader \(learner workplace\)](#) for additional playback requirements.

Type	Specifications
Operating system	Supported systems and versions: <ul style="list-style-type: none"> • 32 & 64 bit versions of Microsoft Windows 10 (without tile mode) • Microsoft Windows 11 Visual C++ Redistributable Packages for Visual Studio 2013 required
Memory	A minimum of 1 GB
Hard drive	2 MB of free space
Browser	Microsoft Edge 100

6.6 Functionality of library, trainer and book reader (learner workplace)

The following requirements need to be complied with to ensure that the library, the trainer and the book reader can be used without any problem and that simulations can be successfully played back. There is neither a plug-in nor a runtime environment or another proprietary client-installation needed.

Browser	Version	Operating system
Microsoft Edge	100	<ul style="list-style-type: none"> • Microsoft Windows 10 • Microsoft Windows 11
Mozilla Firefox	100	<ul style="list-style-type: none"> • Microsoft Windows 10 • Microsoft Windows 11 • macOS 12.x
Google Chrome	100	<ul style="list-style-type: none"> • Microsoft Windows 10 • Microsoft Windows 11

Supported mobile platforms

Content playback will also run in the default browsers of the following mobile device platforms.

i Note

The playback on mobile devices is supported for tablets only.

Platform	OS Version	Browser
Apple iOS	15	Safari Mobile
Google Android	8	Stock Browser (AOSP) (with deactivated Desktop View)

i Note

A connection to the internet is required for the playback of content.

Common browser settings

Independent from your browser platform this browser settings are required for flawless display and playback.

Requirement	Why?
Enabled JavaScript	All functions are based on the use of JavaScript. You must enable JavaScript.
Deactivated pop-up blocker	No matter which popup blocker you use, you must disable the blocking of popups for the location you are loading your contents from. Read the chapters on specific browsers for instructions on how to disable built-in pop-up blocker functions.
Activated cookies	The attributes and settings for displaying and executing library, trainer and book reader are stored in cookies. You should therefore activate cookies in your browser to ensure that these functions run correctly.

6.7 SAP Companion

The following browsers and operating systems are supported:

i Note

To start the SAP Companion framework and to load help content an online connection is required.

Browser	Version
Microsoft Edge	100
Mozilla Firefox	100
Google Chrome	100
Apple Safari	15.x

Operating System Support

Operating System	Version
Microsoft Windows	Any version due to browser-based access.
Apple macOS	Any version due to browser-based access.
Tablet	Apple iOS, Google Android

System support

For details on supported modules and how to configure SAP Companion, see SAP Companion Integration Guide at [SAP Help Portal](#).

SAP Enable Now Manager is required for extended and custom content setup.

Prerequisite	Description
SAP Ariba	<ul style="list-style-type: none"> Standard SAP Companion content is preconfigured and can be consumed directly for some SAP Ariba modules. Custom content can be set up for SAP Ariba product sourcing.
SAP Business ByDesign	<ul style="list-style-type: none"> Standard SAP Companion content is preconfigured and has to be activated. Extended content can be set up for SAP Business ByDesign.
SAP Business Technology Platform	<ul style="list-style-type: none"> SAP Companion can be configured for SAP Fiori Launchpad Sites on Neo environment.
SAP Fieldglass	<ul style="list-style-type: none"> Custom content can be set up for SAP Fieldglass Buyer Company.
SAP Launchpad Service	<ul style="list-style-type: none"> SAP Companion can be configured for destination-based SAP S/4 HANA apps on SAP Launchpad Service.
SAP S/4HANA Cloud SAP Marketing Cloud SAP Integrated Business Planning	<ul style="list-style-type: none"> Standard SAP Companion content is preconfigured and can be consumed directly. To consume the default content of SAP Companion in SAP S/4HANA no further SAP Enable Now applications are required.
SAP S/4HANA On-Premise	<ul style="list-style-type: none"> SAP Companion is not configured by default. It has to be configured manually. Find details on how to configure SAP Companion in the SAP Companion Integration Guide at SAP Help Portal. To consume the default content of SAP Companion in SAP S/4HANA no further SAP Enable Now applications are required.
SAP Sales Cloud SAP Service Cloud	<ul style="list-style-type: none"> Standard SAP Companion content is preconfigured and has to be activated. Custom and extended content can be set up for SAP Sales Cloud.
SAP SuccessFactors	<ul style="list-style-type: none"> SAP Companion can be configured for SAP SuccessFactors.

Content Editing

Prerequisite	Description
SAP Enable Now	<p>Using SAP Enable Now you can extend and edit the content provided by default. In this case the SAP Enable Now Manager is required for storing the customized and created content which will be displayed in parallel to the default content provided by SAP.</p> <p>Please read the requirements section for the SAP HANA option of SAP Enable Now Manager for this case.</p> <p>Note:</p> <ul style="list-style-type: none">• The content extensibility of SAP Companion does not work with the SQL option of SAP Enable Now Manager.

7 Technical Support

Please use the SAP Incident Wizard on the SAP Support Portal to submit your incidents on the following components:

- **KM-SEN** // Enable Now
- **KM-SEN-PRO** // Enable Now – Producer
- **KM-SEN-IPR** // Enable Now – Instant Producer
- **KM-SEN-MGR** // Enable Now – Manager
- **KM-SEN-NAV** // Enable Now – SAP Companion for desktop
- **KM-SEN-APR** // Enable Now – Application Profiles
- **KM-SEN-SMI** // Enable Now – Solution Manager Integration

Using the SAP Support Portal

If you are not familiar with the SAP Support Portal, read the following information:

- To access the SAP Support Portal you need an S-user ID and password. You can request access data from your SAP Super Administrator or register online on the SAP Support Portal page under **Registration**.
- With this user, you have read-access to all the contents of the SAP Support Portal, you can use the SAP Community Network and SAP Help Portal, and you can also book courses under SAP Education.
- If you want to work with the support applications (Incident Wizard, license key request, system data maintenance, manage remote connections, software download and so on), you need the corresponding authorizations, which your SAP Super Administrator can give you.
- You can find information for new users and about support applications on the Support Portal Homepage under **Learn More**. There you can also register for a personal overview demonstration of the SAP Support Portal.
- In case of problems with SAP Support Portal contact your local Customer Interaction Center. An online web form is available on <http://support.sap.com/contactus>. This web form should be used for all written communication with your local customer interaction center. More Details about Incident Processing, Support Addresses and Hotline Numbers can be found here: <http://service.sap.com/sap/support/notes/560499>

Diagnosis function in Producer

The Producer diagnosis function can also be used to check the technical data of the installation on your computer (version, operating system, browser, etc.). Open Producer and select **Diagnosis...** by using the **Help** menu. The Producer transmits the required information automatically and lists this in a corresponding dialog box. This information can also be saved as a text file and sent as an E-mail attachment to the SAP support staff.

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THE BEST RUN

