



# SAP Web IDE

## Frequently Asked Questions

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General	2
SAP Web IDE Different Deliveries	3
SAP Cloud Platform, Web IDE	3
SAP Web IDE, personal edition	6
SAP Web IDE for Full-Stack Development (Cloud Foundry)	7
SAP Web IDE for SAP HANA	9
Functionality	11
General	11
Extending SAP Web IDE	13
Mobile Development	14
Licensing	16

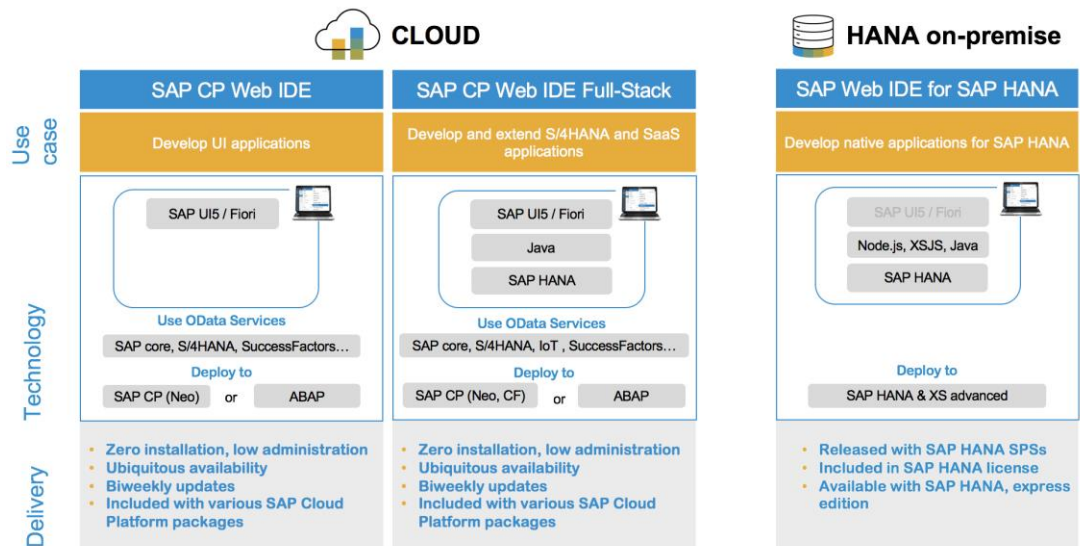
## General

### What is SAP Web IDE?

SAP Web IDE is a powerful, extensible, web-based integrated development tool that simplifies end-to-end full-stack application development.

### SAP Web IDE Deliveries:

SAP Web IDE has several flavors that are available via different versions:



To learn more on SAP Web IDE visit the [SAP Web IDE home page](#).

### There are all kinds of SAP Web IDE versions, which one should I use?

This [blog](#) can help you better understand the difference between the SAP Web IDE versions. Likewise, the Q&A below will provide you more insights on them.

## SAP Web IDE Different Versions

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### SAP Cloud Platform, Web IDE

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#### What does SAP Cloud Platform Web IDE offer?

- Build beautiful HTML5 based SAPUI5 applications applying SAP Fiori UX using wizards, templates, sample apps, layout editor (WYSIWYG) and a code editor with SAPUI5 code completion.
- Extend SAP delivered applications using code editors and a visual extensibility pane.
- Enhance the IoT development experience by offering the ability to create SAPUI5 applications for IoT scenarios.
- Instantly preview applications for any device screen size - desktop, tablet or smartphone.
- Use the sophisticated mock service for decoupling front-end development from the server and for testing purposes.
- Create, test, build and deploy SAPUI5 hybrid mobile apps (based on Apache Cordova and Kapsel).
- Deploy to SAP Cloud Platform, SAPUI5 ABAP Repository, SAP Fiori launchpad (FLP), SAP Cloud Platform mobile service for development and operations and SAP Mobile Platform (SMP).
- Team development and collaboration via the SAP Web IDE integrated Git support.
- Extend SAP Web IDE through features, plugins and templates leveraging its modular and extensible framework.

#### What is SAP Fiori UX?

SAP Fiori is the new user experience for SAP software. It applies modern design principles for a completely reimagined user experience. SAP Fiori UX represents a personalized, responsive and simple user experience across devices and deployment options. SAP Fiori is based on SAPUI5.

#### What is SAPUI5?

SAPUI5 lets you build enterprise-ready web applications, responsive to all devices, running on almost any browser of your choice. It's based on JavaScript, using JQuery as its foundation and following web standards. It eases your development with a client-side HTML5 rendering library including a rich set of controls and supports data binding to different models (JSON, XML and ODATA).

OpenUI5 is an open source version of SAPUI5.

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**How  
enterprise  
ready is SAP  
Web IDE?**

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**Security:**

- SAP Web IDE relies on SAP Cloud Platform infrastructure for authentication and secure connectivity to different systems (SAP Gateway) or other components (user workspace, Git).  
As part of the cloud platform, SAP Web IDE adheres to the SAP standard terms and conditions for cloud products related to data protection and privacy.  
SAP Web IDE could use any Identity provider (IdP) including customer defined IdPs and use the SAP Cloud Connector for secure connection to on-premise systems.
- SAP Web IDE relies on authorization checks done by other systems (SAP Gateway, user workspace and Git).

**Privacy**

Your account in SAP Cloud Platform is strictly separated from other customer's accounts and other customer's data. Customers have every right on their data and coding, e.g. regarding intellectual property.

Your business data is not stored in SAP Cloud Platform. Your application coding is stored in the individual developer's workspace of SAP Web IDE on the platform. If pushed to a Git repository it is stored in that Git repository. If deployed to your backend SAPUI5 ABAP repository it is stored in database tables of the respective NetWeaver system.

**Administration / Configuration:**

Settings for the development environment can be easily maintained and controlled centrally from the SAP Cloud Platform cockpit.

**Develop Once, Run Everywhere:**

Applications developed with SAP Web IDE can run on different platforms like SAP Cloud Platform, SAPUI5 ABAP repository, SAP Portal and SAP Mobile Platform (SMP).

**Lifecycle Management:**

SAP Web IDE supports the entire application lifecycle, from development and testing to deployment and extensibility.

**Installation/Supportability:**

SAP Web IDE hosted on the SAP Cloud Platform provides a low TCO environment (zero installation). Local installations are not required.

**Integration:**

SAP Web IDE enables seamless integration with other SAP Cloud Platform capabilities like SAP Fiori launchpad, Git code repository, SAP Fiori Cloud and SAP Cloud Platform mobile service for development and operations. SAP Web IDE also securely connects to your SAPUI5 ABAP Repository to enable consumption of business data and app import / deployment.

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**What offline features are included (i.e. when data connection is temporarily lost)?**

You need to be online to be able to work with SAP Web IDE on SAP Cloud Platform.

SAP Web IDE has an auto-save feature that allows a user to have the changes in all open documents saved automatically at preset intervals. This should be enabled in the Preferences.

In addition, we enable session restoration in case of session loss, session timeout and connectivity issues.

Working offline is available via SAP Web IDE, personal edition. See more details in the SAP Web IDE, personal edition section.

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**Is it possible to leverage SAP Build prototypes to jumpstart the SAP Fiori app development?**

You can jumpstart your development in Web IDE by importing Build prototypes using the SAP Web IDE- Build integration. Because Build prototypes are created with real controls, the resulting SAP Web IDE project will have the initial UI layout including interactions and sample data. This code can be used as a specification for your app, which makes the transition from design to development smooth.

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**Is it possible to import a project from Eclipse to SAP Web IDE?**

Yes, this is possible.

For more information, please refer to the following [blog](#).

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**Do I have to connect SAP Web IDE to my systems?**

No. SAP Web IDE supports a mock service that enables the decoupling of the front-end application development from the server. In addition, it enables application testing without backend connectivity. The mock service supports automatic data generation, editing of mock data and more.

For testing the finalized application, we recommend connecting to your backend system via SAP Cloud connector.

Instead of the integrated deployment option SAP Web IDE also supports exporting your projects. It can be imported into e.g. an SAP ABAP Server with an up-/download report (see note [1793771](#))

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**Which browser versions are supported by SAP Web IDE?**

Check this [page](#) in our documentation.

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### **SAP Web IDE, personal edition**

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**Is it possible to install SAP Web IDE locally on your computer?**

We recommend our cloud offering as this allows you to work with the latest SAP versions without any installation effort. It also enables seamless integration with SAP Cloud Platform services e.g. Fiori launchpad, Git, mobile services for development and operations, Build and one central set of rules for account projects.

SAP Web IDE is available as a Personal Edition for productive or trial usage. It is a complementary IDE to the SAP Cloud Platform Web IDE. It is intended to be installed on a personal workstation, for offline development by a single developer. The personal edition offers developers the flexibility to develop even when disconnected from the Internet, and then resume the work on the cloud after a brief sync.

For more information, please visit the dedicated page on [SAP Community](#).

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## SAP Cloud Platform, Web IDE Full-Stack (Cloud Foundry)

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**Should I move my development to the new SAP Web IDE Full-Stack version?**

If you are using SAP Web IDE and it suits your needs, we recommend not to move yet to the SAP Web IDE Full-Stack version.

You can use the SAP Web IDE Full-Stack version, if you have an interest in the new capabilities that are offered in the SAP Web IDE Full-Stack version e.g. full-stack application development, using Grunt build, integration with SAP API Business Hub, support for SAP Leonardo.

If your interest is only Fiori/SAPUI5 development we recommend using the existing SAP Web IDE version.

Follow [these steps](#) if you want to move an existing project to SAP Web IDE Full-Stack version.

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**Do I have to purchase anything to be able to use SAP Web IDE Full-Stack version?**

No, you don't have to purchase a new license. You can use this version under the terms of your existing license.

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**Will the new capabilities be offered in the existing SAP Cloud Platform, Web IDE version?**

No, we will continue to maintain the current SAP Web IDE version, but new features will be introduced in SAP Web IDE Full-Stack version.

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**I am working on the project together with other developers using Git. Can we use different SAP Web IDE versions?**

We recommend using the same SAP Web IDE version for the same project. If you choose different cloud versions or use the personal edition, all changes to the project settings made in one version must be copied manually into the other version.

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**Can I work with the same project in SAP Web IDE Full-Stack version and SAP Web IDE personal edition?**

Yes, you can migrate your projects between the two versions as described [here](#). However, some functionality is not available yet in the personal edition. You can find more details [here](#). Also please note that all changes you make in the project settings must be copied manually.

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## SAP Web IDE for SAP HANA

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**When should the SAP Web IDE for SAP HANA be used?**

Use the SAP Web IDE for SAP HANA when developing SAP HANA native apps.

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**Which capabilities are provided by SAP Web IDE for SAP HANA?**

SAP Web IDE for SAP HANA provides a comprehensive web-based development experience for creating SAP HANA native applications. This includes the development of SAP HANA content and models, UI development with SAPUI5 and Node.js or XSJS business code for SAP HANA extended application services, advanced model. For more information, see this [blog](#).

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**What is the rationale behind introducing SAP Web IDE for SAP HANA?**

SAP has consolidated the development experience for SAP-based applications on the cloud and on premise. For this SAP Web IDE for SAP HANA comprises capabilities of SAP HANA Studio, SAP HANA Web-based Development Workbench and SAP Web IDE to develop with the SAP HANA XS advanced platform. It consolidates technologies, follows industry trends, and leverages industry standards where possible, while retaining a competitive innovation focus of SAP's current tool offering.

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**What happens to SAP HANA Studio and SAP HANA Web-based Development Workbench?**

Using SAP Web IDE for SAP HANA you might be required to use external and command line tools to develop for SAP HANA XS advanced. The existing tools for SAP HANA extended application services, classic model remain part of SAP HANA to provide 100% backwards capability until full migration will be possible.

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**Can I use the SAP Web IDE for SAP HANA for developing Fiori applications?**

Yes, but note that SAP Web IDE for SAP HANA is designed to deploy applications (including Fiori apps) to SAP HANA and its XSA application server, and not to the ABAP repository (front-end server) or SAP Cloud Platform. Also, some advanced Fiori features are not included.

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**What is the difference between SAP HANA and SAP HANA Express Edition (HXE)?**

HXE was minimized and functionally reduced to work on hosts with a relatively small amount of memory, including personal workstations. For more details see [here](#). From a development perspective, there are no differences, and SAP Web IDE for SAP HANA can be used for all editions of SAP HANA.

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**Licensing**

SAP Web IDE for SAP HANA is included in SAP HANA license. It is also available with SAP HANA, express edition. For more information refer to [SAP HANA](#) and [SAP HANA, express edition](#) on [developer.sap.com](http://developer.sap.com).

## Functionality

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### General

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**How does team development and version management work in SAP Web IDE?**

SAP Web IDE on Cloud Platform is connected to Git (free and open source software used for distributed revision control and source code management), hosted on Cloud Platform.

SAP Web IDE also supports [connecting to your corporate on-premise Git repository](#).

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**What kind of deployment options are provided by SAP Web IDE?**

SAP Web IDE comes with integrated deployment options for:

- SAP Cloud Platform
- SAPUI5 ABAP Repository on an SAP ABAP system
- SAP Fiori launchpad on SAP Cloud Platform
- SAP Cloud Platform, mobile service for development and operations
- SAP Mobile Platform

In addition, SAP Web IDE Full-Stack supports integrated deployment for SAP Cloud Platform, Cloud Foundry environment.

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**What kind of rapid app development capabilities come with SAP Web IDE?**

SAP Web IDE offers WYSIWYG, wizards, templates and instant preview for rapid application development.

In addition, SAP Web IDE offers the **SAP Enterprise App Modeler (SEAM)**, which is a metadata-driven tool that allows users to customize native SAP applications, as well as create new native mobile applications. For more details refer to this [blog](#) and [documentation](#).

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**Is there any debugging feature introduced with SAP Web IDE?**

SAP Web IDE provides no particular debugging features, but as this is a browser-based development environment, the browser debugging capabilities can be used.

You may open the SAPUI5 Diagnostics to help in debugging by Ctrl+Alt+Shift+S. Also see Chrome extension [UI5 Inspector](#).

In the SAP Web IDE Full-Stack, Java debugging will be available.

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**Does SAP Web IDE provide any ABAP workbench plugins?**

No, currently there is no ABAP workbench plugin available in SAP Web IDE.

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**Can I use SAP Web IDE for development in Angular and React technologies?**

No, currently there is no support for developing in Angular and/or React in SAP Web IDE.

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**Does SAP Web IDE support an automated CI process for development of SAP Fiori/SAPUI5 applications?**

Checkout [this](#) tutorial and see how SAP Web IDE takes part in automating the CI process for development of SAP Fiori or SAPUI5 applications running on SAP Cloud Platform.

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## Extending SAP Web IDE

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**Is it possible to create customer-specific templates?**

Yes, this is possible.

The template gallery can be enriched with custom templates, be it customer-specific, LoB-specific, Industry-specific, etc.

SAP Web IDE supports the full process of template/feature creation:

Out of the box wizards that assist with the creation of custom templates.

Ability to reuse existing and user created templates.

Auto complete option for editing template files in the code editor.

Ability to test plugin projects within SAP Web IDE.

For more information refer to [SAP Web IDE SDK](#) .

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**Can SAP Web IDE be integrated with other services, such as: online collaboration, task management, bug management, etc.?**

Yes. SAP Web IDE architecture is based on plugins. This framework allows you to easily extend SAP Web IDE with new features and provide them to others. Following are some ideas on what you can do: create templates with customer-specific branding, connect to a service, such as: online collaboration and task management system, create a shortcut to a set of common operations and more.

For more information refer to [SAP Web IDE SDK](#).

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**Where should a partner deploy a plugin to be consumed by customers?**

If partners would like their plugins to be used by customers or other organizations, they need to obtain an ePaaS account. For more information on ePaaS, visit [Embedded PaaS \(ePaaS\) for SAP Cloud Platform](#). For additional options, contact [sapwebide@sap.com](mailto:sapwebide@sap.com).

For SAP Web IDE licensing options, refer to the licensing section in this document.

For more information, refer to [SAP Web IDE SDK](#).

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## Mobile Development

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**What kind of mobile development options are offered within SAP Web IDE?**

- SAP Web IDE offers the **Hybrid Application Toolkit (HAT)** plugin which is integrated with the SAP Cloud Platform mobile service for development and operations. It is a full-featured mobile app platform delivered as a cloud service that enables you to quickly create and operate mobile apps with full offline support, notification services, superior back-end integration and enterprise-grade security. It supports cloud-build for iOS and Android, seamless integration with SAP Mobile Place (your enterprise app store), and more.  
Local HAT add-on supports hybrid web applications development using SAP Web IDE is also available and requires the developers to install additional software components on their workstation. The toolkit supports hybrid application development for Android, iOS, and Windows.  
You can find more information at [SAP Cloud Platform Mobile Service](#), [SAP Web IDE mobile enablement](#), and the [HAT online help](#).
- SAP Web IDE also offers the **SAP Enterprise App Modeler (SEAM)** plugin, which is a metadata-driven tool that allows users to customize native SAP applications, as well as create new native mobile applications.  
For more details refer to this [blog](#) and [documentation](#).

**What kind of rapid app development for mobile platform comes with SAP Web IDE?**

SAP Web IDE offers layout editor (WYSIWYG), wizards, templates and code editor with SAPUI5 and Kapsel code completion for rapid development.

Hybrid Application Toolkit (HAT) enables testing functionality within SAP Web IDE to quickly validate hybrid app functionality without deploying the app to an emulator or device.

In addition, SAP Web IDE offers the **SAP Enterprise App Modeler (SEAM)**, which is a metadata-driven tool that allows users to customize native SAP applications, as well as create new native mobile applications. For more details refer to this [blog](#) and [documentation](#).

**Does SAP Web IDE support the SMP Hybrid SDK (Kapsel)?**

Yes, the SAP Web IDE HAT plugin supports the Kapsel SDK through code completion, code snippets, API reference documentation, user selective enablement of Kapsel or core Cordova plugins and additional capabilities.

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**Does HAT support third party Cordova plugins?**

Yes, HAT allows you to build and package an app with custom plugins enabled or preview the custom plugins using the SAP HAT Companion app.

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**What kind of mobile deployment options are provided by SAP Web IDE?**

SAP Web IDE comes with integrated deployment options for the following mobile platforms

- SAP Cloud Platform mobile service for development and operations.
  - SAP Mobile Platform.
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**Can we do native (mobile) development with SAP Web IDE?**

No, SAP Web IDE does not support native (mobile) development. However, [SAP Cloud Platform SDK for iOS](#) enables you to quickly develop your own native apps, with Swift, Apple's modern programming language.

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## Licensing

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### How does licensing work with SAP Web IDE?

There are several ways for customers/partners to access SAP Web IDE:

1. For SAP Cloud Platform customers: SAP Web IDE is included in several platform packages:

#### Get Started

- Developer edition (Non-Production Use) on the platform's Trial
- Starter editions

#### Small Business

- Professional edition
- Single application edition
- Multiple application edition

#### Enterprise

- SAP Cloud Platform, app services package, standard edition
- SAP Cloud Platform, app services package, professional edition
- SAP Cloud Platform, app services package, premium edition

#### Extension packages

- SAP Cloud Platform, extension package, standard edition
- SAP Cloud Platform, extension package, premium edition

For more information, see <https://cloudplatform.sap.com/pricing.html>.

2. SAP Web IDE is also included with SAP Fiori Cloud
  - SAP Fiori Cloud demo edition for test and evaluation
  - SAP Fiori Cloud standard edition
  - SAP Fiori Cloud premium edition

For more information, see

<https://cloudplatform.sap.com/capabilities/ux/fiori.html>

3. In addition to the packages above SAP offers the "SAP Cloud Platform Web IDE" package (material no. 8003103). This license entitles you to use a platform account with SAP Cloud Platform, Web IDE and the SAP Web IDE, personal edition, for the development of productive apps.

For runtime, you can deploy these apps to your on-premise system, or purchase one of the above mentioned packages that include SAP Web IDE and a runtime environment.

For more information, see

<https://www.sapstore.com/solutions/60009/Web-IDE>

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4. SAP Web IDE, personal edition is intended as a complementary IDE. It can be installed on a personal workstation for offline development by a single developer. Customers with a paid subscription to SAP Web IDE on SAP Cloud Platform can use it productively. Information on how to obtain the SAP Web IDE, personal edition and its documentation can be found on [SAP Community](#).
  5. For partners: SAP Web IDE is included in SAP PartnerEdge program for Application Development – Innovation Pack for SAP Cloud Platform. This license entitles you to use a cloud platform account and/or the personal edition of SAP Web IDE, for the development of productive apps. Partners can alternatively purchase any of the mentioned customer packages.
  6. Trial versions: The cloud-based version is available on the [platform Trial](#). Information on how to obtain SAP Web IDE, personal edition and its documentation can be found [here](#).
  7. For SAP HANA customers: SAP Web IDE for SAP HANA is available starting from SAP HANA SPS 11. More information is available under the HANA integration chapter of this document.

**How can I get one of those packages?**

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Contact your SAP Account Executive or search for [SAP Web IDE](#) on [SAP Store](#), or [SAP Cloud Platform Pricing and Packaging](#).

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**Find Out More**

SAP Web IDE Homepage: [developers.sap.com/webide](https://developers.sap.com/webide)

SAP Web IDE Roadmap: [sap.com/roadmaps](https://sap.com/roadmaps) > Platform & Technology > SAP Web IDE

Have an idea for a new feature or capability: <https://ideas.sap.com/>

Contact us: [sapwebide@sap.com](mailto:sapwebide@sap.com)