Installation and Configuration Guide | CUSTOMER
SAP Visual Business
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SAP Visual Business 2.1 Installation and Configuration Guide

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1 Introduction

SAP Visual Business is a user interface for visualizing data from various sources in interactive geographical or three-dimensional applications.

Visual Business applications are based on graphical scenes that can be in three dimensions and can also be geographical. The scene is the leading interface for the application and can include interactive graphical controls that visualize and combine enterprise data.

1.1 About This Document

This document guides you through the installation process for SAP Visual Business. Installing this product provides you with the ActiveX plugin allowing for the display of 2D and 3D geomaps, and 3D images without a map background.

It also provides you with information about the configuration settings for SAP Visual Business.

1.2 Before You Start

The following sections provide information about:

- SAP Notes for the Installation
- Information available on SAP Service Marketplace
- Naming Conventions

1.2.1 SAP Notes for the Installation

If there are any updates to the installation process described in this installation and configuration guide, you can find the corresponding information in the following SAP Note. In addition, this SAP Note contains corrections to the installation documentation, if any.

Make sure that you have the up-to-date version of each SAP Note, which you can find in the *SAP Service Marketplace* at: http://service.sap.com/notes.

SAP Note Number	Title	Description
1445387	Installation Updates for SAP Visual Business	Provides updates on the installation process for SAP Visual Business in between releases

1.2.2 Additional Information

Information on the following areas is available in the SAP Service Marketplace and in SAP Library.

Documentation

Title	Internet Address
SAP Visual Business	http://help.sap.com/visualbusiness21

General Quick Links

Description	Internet Address	Title
SAP Notes	http://service.sap.com/notes	-
Released platforms	http://service.sap.com/platforms	-
System sizing	http://service.sap.com/sizing	*Quick Sizer* tool
Front-end installation	http://service.sap.com/instguides	*Front End Installation Guide*
Security	http://service.sap.com/security	-

1.2.3 Naming Conventions

In this documentation, the following naming conventions apply:

Terminology

Term	Definition
Visual Business application	An application or scenario that visualizes business data in the SAP Visual Business user interface.
Visual Business integrating application	An SAP application that embeds the Visual Business application.

Variables

Variables	Description
<SAPSID>	SAP system ID in uppercase letters
<sapsid>	SAP system ID in lowercase letters
<DBSID>	Database system ID in uppercase letters
<dbsid>	Database system ID in lowercase letters
<INSTDIR>	Installation directory for the SAP system
<CD-DIR>	Directory on which a CD is mounted
<DVD-DIR>	Directory on which a DVD is mounted
<OS>	Operating system name within a path

2 Installation

SAP Visual Business consists of two components, a back-end component and a front-end component that need to be considered with regards to installation.

2.1 Visual Business Back-End Component Installation

The SAP Visual Business back-end component is a server component that uses the standard ABAP Transport Management System (TMS) for software logistics.

This component belongs to the technical software layers SAP UI Add-On 1.0 for SAP NetWeaver 7.0 and SAP UI Add-On 2.0 for SAP NetWeaver 7.5. SAP UI Add-On can be installed on any system based on SAP NetWeaver 7.0. A UI Add-On version also exists for the Enhancement Packages 1 to 3 for SAP NetWeaver 7.0.

As of SAP NetWeaver 7.4 SP03, the Visual Business back-end component became part of SAP NetWeaver.

There is no particular installation process required.

The SAP Visual Business back-end component is shipped together with the SAPUI5 Visual Business front-end component as parts of the UI Add-On 1.0 and SAP NetWeaver 7.4 and UI Add-On 2.0 for SAP NetWeaver 7.5. For configuration details of the SAPUI5 front-end version, see the documentation for SAP Visual Business in the SAP Help Portal.

2.2 Visual Business Front-End Component Installation

The SAP Visual Business front-end component is a client component. The client-side installation is integrated into the SAP front-end installer, also known as SAPSetup, available on SAP Service Marketplace.

Prerequisites

To run the SAP Visual Business front-end component, your system must satisfy the following requirements:

Component	Requirement
Operating System	Microsoft Windows Vista SP02 or 7 (or higher) On a plain Microsoft Windows Vista system with SP02 only, the Platform Update for Microsoft Windows Vista is also required. For more information, see the MSDN article KB971512. This requirement is fulfilled automatically when you install Microsoft Internet Explorer 9.0 or you receive an automatic update with Windows Update.
Web Browser	Microsoft Internet Explorer 8.0 (or higher) Internet Explorer 9 recommended
Graphic Card	To display the SAP Visual Business front-end component correctly, we recommend that the graphic card of your computer meets the following requirements: • DirectX 10.1 capable

Preparation and Installation of Active Component Framework

The use of the SAP Visual Business front-end component within Web Dynpro applications also requires a client-side installation of the Active Component Framework (ACF) of SAP NetWeaver. ACF installation is a mandatory part of the SAP Visual Business front-end installation. See the chapter *Install ACF Client Certificate* in this documentation.

You are provided with the following installer file :

- *VisualBusinessSetup*
  You use this file to install SAP Visual Business only.

The SAP Visual Business front-end installer defines a SAP Visual Business subcomponent, SAP Visual Business Samples, that can be installed and updated individually. For the initial installation we recommend that you select the complete installation.

For a detailed description of the front-end installation process, see the *SAP Front End Installation Guide* on SAP Service Marketplace at http://service.sap.com/instguides *SAP NetWeaver* *SAP NetWeaver 7.3* *Installation* *Installation - Clients*.

Installing the ACF Client Certificate

The ACF plugin, which runs in the browser to host the Visual Business plugin in Web Dynpro, requires a client certificate installed on the actual frond-end machine, which includes a whitelist of permitted active

components. The Visual Business Control will only be loaded by ACF if it finds a certificate with a suitable whitelist entry. The certificate is provided by the back-end system and can be installed using transaction ACF_WHITELIST_SETUP.

SP07 of SAP Enhancement Package 2 for SAP NetWeaver 7.0 is required for ACF whitelist certificates to work correctly.

Instead of using transaction ACF_WHITELIST_SETUP, you can also use the SAP GUI installation (SAP front-end installation server) for distributing the whitelist on front-end PCs.

For more information, see SAP Help Portal at http://help.sap.com/nw_platform ▶ *SAP NetWeaver 7.3* ▶ *SAP NetWeaver Library: Function-Oriented View* ▶ *Application Server* ▶ *Application Server ABAP* ▶ *UI Technologies* ▶ *Web Dynpro ABAP* ▶ *Reference* ▶ *Web Dynpro ABAP: Development in Detail* ▶ *Integration* ▶ *Active Component Framework (ACF)*.

3 Configuration

SAP Visual Business requires a limited number of configuration settings, which need to be carried out in Customizing for the SAP Visual Business back-end component (*SAP Customizing Implementation Guide* > *SAP NetWeaver* > *UI Technologies* > *Visual Business*).

These customizing activities **are relevant for both front-end components** of SAP Visual Business (ActiveX and SAPUI5).

In the Customizing for SAP Visual Business you can perform the following Customizing activities:

- *Set up Visual Business Applications and related parts*
- *Overwrite Map Provider Service URLs for customer adaptations*
- Overwrite Geo-Coding service URLs for customer adaptations
- Define application replacements

Other configuration activities (not performed in Customizing) include the following:

- Activating various SAP Gateway OData services
- Setting up of content (specifically, analytical (chloropleth maps)

For information on the above activities, see the section *Setting Up SAP Visual Business* in the SAP Visual Business documentation in the SAP NetWeaver library on the SAP Help Portal https://help.sap.com/netweaver.

3.1 Install ACF Client Certificate

The ACF plugin, which runs in the browser to host the Visual Business plugin in Web Dynpro, requires a client certificate installed on the actual frond-end machine, which includes a whitelist of permitted active components. The Visual Business Control will only be loaded by ACF if it finds a certificate with a suitable whitelist entry. The certificate is provided by the back-end system and can be installed using transaction ACF_WHITELIST_SETUP.

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