

HUMAN HEALTH

ENVIRONMENTAL HEALTH



Signals

Hardware and Software Guide

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1 Introduction

This document describes the supported and qualified software components to seamlessly use Signals application. It also describes the minimum and recommended hardware components required to access Signals application.

2 Hardware Requirements

Any mid-range client machine with minimum 8GB of RAM should be sufficient.

Note: Signals is not qualified currently on mobile platforms (tablets, phones).

3 Software Requirements

- We support the most recent version of most modern browsers such as Chrome, Firefox, Safari, and Chromium-based Microsoft Edge.
- Editing in ChemDraw Desktop requires ChemDraw 20.1 or above for PC or Mac.
- ChemDraw Edit in Desktop 20.1 is supported in MacOS Catalina (10.15) and Big Sur (11), and Windows 7 (32-bit and 64-bit), 8.1 (64-bit) and 10 (64-bit).
- ChemDraw Edit in Desktop 21.0 is supported in MacOS Big Sur (11) and Monterey (12.1), and Windows 10 and 11.
- ChemDraw Edit in Desktop 22.0 is supported in MacOS Big Sur (11.6), Monterey (12.5), Ventura (13.0), and Windows 10 and 11.
- Copying from Signals to MS Office as an editable object requires installation of ChemDraw Desktop or the ChemDraw Active-X Control (CDAX).
- TIBCO Spotfire[®] for Signals is included with Signals Research Suite. It is configured to work with Signals and updated periodically. Install TIBCO Spotfire[®] for Signals from the Home App in the tools section. If prompted to update when running TIBCO Spotfire[®] for Signals, click install now, then run the app dependency manager from the PerkinElmer Signals Apps page and update any required packages.
- Editing in TIBCO Spotfire[®] requires TIBCO Spotfire[®] Analyst LTS 10.10, 11.4, and 12.0. The add-in **SignalsNotebookSpotfireOpener-v1.x.spk** must also be installed on the Spotfire server and distributed to the user. TIBCO Spotfire[®] for Signals and TIBCO Spotfire[®] are supported in Windows 10 and 11 systems only. The file size limit that is supported for opening and saving dxp files in Spotfire is 50 MB. Users can modify larger files via Windows Registry Editor, for more details please refer to: <https://www.wintips.org/fix-error-0x800700df-the-file-size-exceeds-the-limit-allowed-and-cannot-be-saved-in-sharepoint-webdav/>.
- Roundtrip editing of a biological sequence added in Signals requires SnapGene[®] 5.2 or above. Users can use this feature if the system administrator has enabled integration and if users have license copies of SnapGene[®].

3.1 Supported Environments

Following environments are supported:

Browser (Latest Version)	Operating System
Google Chrome	Windows or macOS
Mozilla Firefox	Windows or macOS
Apple Safari	macOS
Chromium-based Microsoft Edge	Windows or macOS

3.2 MS Office

Signals is qualified to work with MSOffice 2016 and MSOffice 2019.

To work with Online MSOffice option, you need to have a valid Office 365 account with Office Online subscription.

The following table covers the file size limits for viewing and editing documents in Office Online:

Application	Size Limit in View Mode	Size Limit in Edit Mode
Excel Online	25 MB	25 MB
PowerPoint Online	None	300 MB
Word Online	None	100 MB

Note: The overall Signals limit is set to 2 GB.

3.3 SAML

Signals supports SAML 2.0 IDPs.

PKI requires from the customer	PKI provides to the customer
<ul style="list-style-type: none"> • Login URL for the IDP • SAML Key/IDP certificate 	<ul style="list-style-type: none"> • Asset URL • Application ID