InterSystems Official
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Discontinue Apache web server installations (aka Private Web Server (PWS))

As previously announced at Global Summit 2022, InterSystems will discontinue shipping or installing an Apache-based web server (often referred to as the private web server or PWS); this change is currently planned for InterSystems IRIS 2023.2.

With this new approach, you have full control to choose which web server best suits your purposes, and how you configure, maintain, and update it. A key benefit of this change is that you will no longer have to wait for an updated kit from InterSystems to get the latest version, which is important especially in security vulnerability situations. InterSystems will provide tools that you can use to help to configure Apache or IIS. (Note that the InterSystems IRIS Community Edition will continue to install a PWS.)

Installing a web server is a common process and typically easy – and it is well documented by the various web server vendors.

Below are examples for Ubuntu, Windows, and macOS. They demonstrate a quick installation so you can see the new behavior when InterSystems products do not include or install a web server. (Note that this code is provided as is and it not supported, nor is it sufficient to host mission-critical or data-sensitive applications.)

A FAQ is available, which has additional information and access to kits to try this new process. Please see the PDF linked at the end of this article for the FAQs, or at https://community.intersystems.com/post/discontinue-apache-web-server-installations-faq if you want to add to the discussion.

There are often multiple ways to install a web server, please choose the one you are familiar with and works best for you.

A new Early Access Program (EAP) has been created for those customer who wish to try out the new installer which doesn't include the PWS. Please email nopws@InterSystems.com if you would to become part of this EAP and get access to the kits.

For feedback or concerns please contact us at nopws@InterSystems.com.

Here is an example for Microsoft Windows:

Use Microsoft Windows to install IIS.

Once installed you can install InterSystems IRIS, which will ask the user if IIS should be configured.

Here is an example using Ubuntu:

Prerequisites: User is allowed to use sudo, Ubuntu OS, no PWS installed

For Ubuntu the official repository of Apache can be used with the apt-get command.

Update the repository

    $ sudo apt-get update

Install Apache

    $ sudo apt-get install apache2

Verify that is installed

    $ apache2 -v

Install InterSystems IRIS

Test with the SMP (http://localhost/iris/csp/sys/UtilHome.csp)

If you just installed for testing purposes you can remove apache2 with:

  $ sudo apt-get remove apache2

Here is an example using macOS:

Install with

  $ brew install apache-httpd

To restart httpd after an upgrade or installation:

    $ brew services restart httpd

start it by using

sudo apachectl -k start

or restart it by using

  $ sudo apachectl -k restart

test if it by located your browser to

http://localhost:8080

 it should display: "It works"

Install IRIS (please observe the new installation dialog as it is new)

Restart the Web Server

  $ sudo apachectl -k restart

Test with the SMP (http://localhost:8080/iris/csp/sys/UtilHome.csp)

If you just installed for testing purposes you can remove apache-http with:

  $ brew remove apache-httpd

Removal of Apache related settings or installations

Please be careful removing settings or configurations, and use at your own risk.

To remove apache httpd configuration for a single instance.

Locate Apache httpd.conf file. It's location is platform dependent:

macOS: /usr/local/etc/httpd/httpd.conf

SuSE Linux: /etc/apache2/httpd.conf

Red Hat Linux: /etc/httpd/conf/httpd.conf

Ubuntu Linux: /etc/apache2/apache2.conf

AIX: /opt/freeware/etc/httpd/conf/httpd.conf64 (if using 64-bit httpd)

  /opt/freeware/etc/httpd/conf/httpd.conf (if using 32-bit httpd)

As root edit httpd.conf and at the end of file remove section that starts with

BEGIN-ApacheCSP-SECTION-<INSTANCENAME>

and ends with

BEGIN-ApacheCSP-SECTION-<INSTANCENAME> ####.

Restart Apache using command " sudo apachectl -k restart"

To remove Web Gateway configuration for a single instance:

If WebGateway installation directory was changed from the default, use the appropriate path in the instructions below.

As root edit /opt/webgateway/conf/CSP.ini and remove the following lines:

In section " [SYSTEM_INDEX]" remove line <INSTANCENAME>=Enabled

In section " [APP_PATH_INDEX]" remove line " /<nstancename>=Enabled"

Remove section " [APP_PATH:/<instancemame>]"

To cleanup Apache httpd from all IRIS instances:

Apache Configuration

Locate Apache httpd.conf file. It's location is platform dependent:

macOS: /usr/local/etc/httpd/httpd.conf

SuSE Linux: /etc/apache2/httpd.conf

Red Hat Linux: /etc/httpd/conf/httpd.conf

Ubuntu Linux: /etc/apache2/apache2.conf

AIX: /opt/freeware/etc/httpd/conf/httpd.conf64 (if using 64-bit httpd)

  /opt/freeware/etc/httpd/conf/httpd.conf (if using 32-bit httpd)

As root edit httpd.conf and at the end of file all sections which start with

BEGIN-ApacheCSP-

and end with

END-ApacheCSP

Restart Apache using command " sudo apachectl -k restart"

To cleanup Web Gateway from all IRIS instances:

To remove Web Gateway configuration for a single instance:

If WebGateway installation directory was changed from the default, use the appropriate path in the instructions below.

sudo rm -rf /opt/webgateway

sudo rm -f /usr/local/etc/irissys/CSP.options

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