Installing Rapport

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# Introduction

Rapport provides at-a-glance information about your AppDynamics™. It is an open source, lightweight, coded entirely in PHP and JavaScript, web application.

This document describes how to install Rapport on your own windows desktop. However it can be deployed anywhere where you can run a PHP server.

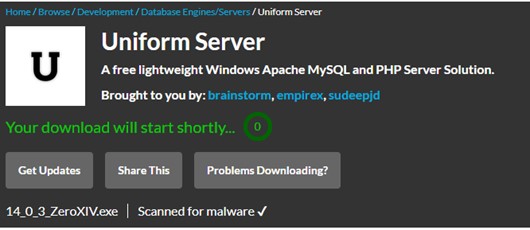
## License

Rapport is copyrighted by sunil at [chickenkatsu.co.uk](https://www.chickenkatsu.co.uk) and licensed under the terms of the [Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License](http://creativecommons.org/licenses/by-nc-nd/4.0/legalcode).

# PHP for windows

## downloading

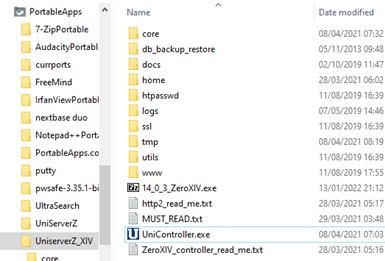
I use the lightweight [Uniform Zero XIV](https://www.uniformserver.com/) LAMP distribution - self extracting zip files can be downloaded at [sourceforge](https://sourceforge.net/projects/miniserver/files/)



Always use a virus checker to confirm that downloaded files are safe.

## Installing

The downloaded file is a self-extracting zip file that runs as a portable application (ie it doesn’t require any installation, just unpack and go) . You can extract it yourself into the directory that you want uniserver to run from.



Please also download Visual C++ Redistributable for Visual Studio 2019 as noted in the file MUST\_READ.txt from

**It can be downloaded from:**

**https://docs.microsoft.com/en-US/cpp/windows/latest-supported-vc-redist?view=msvc-170#visual-studio-2015-2017-2019-and-2022**

**Select: vc\_redist.x86.exe**

### shortcuts

From now on we will use the following shortcuts

%uniserver% as the location of where uniserver is installed

%apache% as a shortcut for %uniserver%/core/apache2

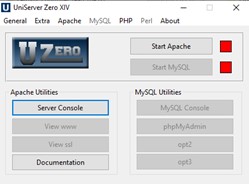
## Configuring

Uniform zero is designed to run with minimal configuration. There are some things we need to do from the uniserver console.

Optional: In my version of uniserver I disable MySQL support by deleting the folder %uniserver%/core/mysql

### Start uniserver

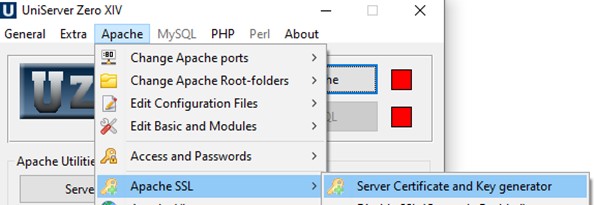
Start the console: by running %uniserver%/UniController.exe



### Create a SSL certificate

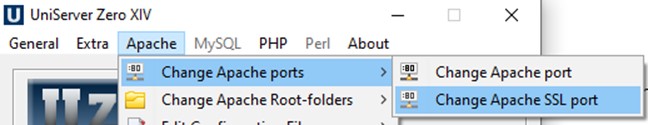
Rapport runs on the cloud as https, even the on the development environment you must run https.

Luckily this is super easy on uniserver using the server cert and key generator



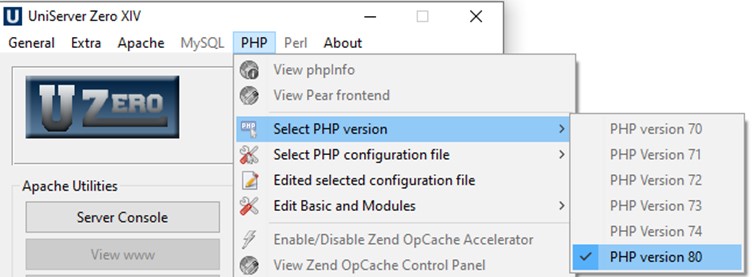
### Change the SSL port

Port 443 is usually privileged – best to change the port to 8443



### Select the PHP version

Without this when you run apache, PHP wont run



## Virtual host

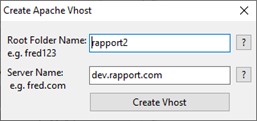
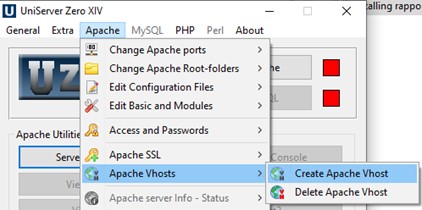
Its best to separate your development into a virtual host to keep the project self-contained and log files separate

### Create a folder to store the code for rapport

We will refer to this below as %rapport%

### Create a vhost

You cant use the uniserver zero ui to create an ssl virtual host



#### Create hosts entry for your virtual host

Eg for https://dev.rapport:8443/

In this case edit the hosts file at

%windir%\System32\drivers\etc\hosts

And add the line

127.0.0.1 dev.rapport

#### Create a ssl virtual host

1. Edit the file %apache%/conf/extra/httpd-ssl.conf
2. Copy the vhost section

<VirtualHost \_default\_:${AP\_SSL\_PORT}>

…

</VirtualHost>

1. Paste the vhost section changing the label to dev.rapport:${AP\_SSL\_PORT}
2. In the new dev.rapport vhost section change the following

<VirtualHost dev.rapport:${AP\_SSL\_PORT}>

ErrorLog "${US\_ROOTF}/core/apache2/logs/rapport\_error\_ssl.log"

TransferLog "${US\_ROOTF}/core/apache2/logs/rapport\_access\_ssl.log"  
DocumentRoot "%rapport%"

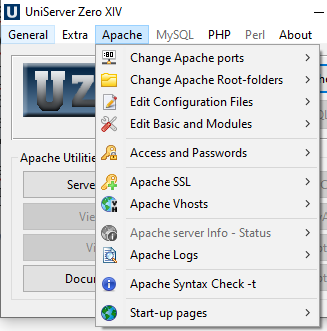
ServerName "dev.rapport"

Options Indexes

<Directory "%rapport%">

#### Do an apache syntax check

Just in case an error was introduced



# Site pages

The site needs a number of subdirectories:

* appdinc – php classes to interrogate the AppDynamics ®™ APIs
* phpinc – useful PHP functions
* jsinc – useful javascript functions
* rapport – the rapport web application

you will also need something to be able to clone github repos. I recommend using [github desktop](https://desktop.github.com/) for developing. But if you just want to download just use a web browser

## rapport

|  |  |
| --- | --- |
| Files/folder | source |
| %rapport%/app/ | <https://github.com/open768/rapport> |

## phpinc dependencies

|  |  |
| --- | --- |
| File/folder | source |
| %rapport%/phpinc/ | <https://github.com/open768/phpinc/> |
| %rapport%/phpinc/appd/ | <https://github.com/open768/appdinc> |
| %rapport%/phpinc/extra/php-openssl-crypt/cryptor.php | https://github.com/ioncube/php-openssl-cryptor/tree/master/src |

## jsinc dependencies

|  |  |
| --- | --- |
| File/folder | source |
| %rapport%/jsinc/ | <https://github.com/open768/jsinc> |
| %rapport%/jsinc/extra/jquery/jquery-3.2.1.min.js | https://jquery.com/download/ |
| %rapport%/jsinc/extra/jquery-ui/jquery-ui.min.js | https://jqueryui.com/download/ |
| %rapport%/jsinc/extra/tablesorter/jquery.tablesorter.min.js | <https://github.com/christianbach/tablesorter> |
| %rapport%/jsinc/extra/jquery-inview/jquery.inview.min.js | <https://github.com/protonet/jquery.inview> |
| %rapport%/jsinc/extra/jquery-visible/jquery.visible.min.js | https://github.com/customd/jquery-visible |
| %rapport%/jsinc/extra/jquery-spinner/g-spinner.min.js | https://github.com/ceckenrode/g-spinner/tree/master/src |
| %rapport%/jsinc/extra/jquery-qtip/jquery.qtip.min.js | <https://github.com/salesagility/SuiteCRM/tree/master/include/javascript/qtip> |
| %rapport%/jsinc/extra/jquery-mdl-dialog/mdl-jquery-modal-dialog.js | https://github.com/oRRs/mdl-jquery-modal-dialog/blob/master |
| %rapport%/jsinc/extra/jquery-flowtype/flowtype.js | https://github.com/simplefocus/FlowType.JS/ |
| %rapport%/jsinc/extra/bean/bean.js | https://github.com/fat/bean |

## secrets

TBD

## add a redirect

create an .htaccess file in %rapport% so that it redirects to the rapport app

DirectoryIndex index.php

RewriteEngine On

RewriteRule /index.php /app/

# Start the server

## Add a link to https page

At startup Uniserver shows the pages served by http server, not by the https server. So go and edit %uniserver%/www/index.php to add the https served pages

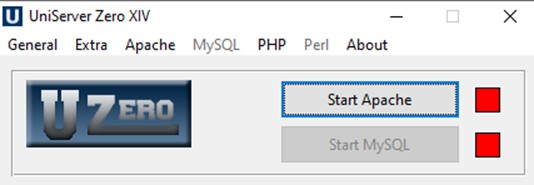
<h2>Server links</h2>

…

<p><a href="https://dev.rappport:8443/">Rapport</a>

## Start the web server

This couldn’t be simpler – just click the start apache button



This will launch a web browser



We’re not quite ready to click the rapport button yet 😉