# Web UI installation

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## **Getting ready – download the files**

## 1. Go to the website to download the Web UI application

Link: http://www.axapsolutions.com/en/downloads

Scroll down until you find the Web UI, as shown:

Notes
The web based application to calculate taxes for SAP B1. This version requires upgrading the web.config file. Minimum Avatax add-on Version: v22082900 Follow the steps detailed here

Download it, create a folder in your unit and save the solution (Zip file).

#### 2. Install the "Mongo. dB" database

#### 2.1 Download the installer

The Web UI application uses a database called "Mongo.db", "community" edition.

https://www.mongodb.com/try/download/community



There are different versions available, it is recommended to download the last edition. However, depending on the Windows installed, it could be an incompatibility with the latest release; in that case, try a previous version.

Also, for the newest versions you need to install the Mongo DB shell:

https://www.mongodb.com/try/download/shell

Platform Windows x64 (10+)		~
Package zip		~

#### 2.2 Install the database

Press Next, in the next screen check the box to accept the terms & conditions.

Select "Custom", when the below screen shows up.

Choos	e Setup Type			
Choo	se the setup type	that best suits your needs		ų
ſ	Complete	-		
	All program fe Recommended	atures will be installed. Requires the for most users.	most disk space.	
[	Curtom			
	Allows users to they will be ins	o choose which program features wil stalled. Recommended for advanced	be installed and users.	where
	he Mongo Shell mu low	st be installed separately for Window	vs installations. 🛾	ownload
Ľ				
T D				

Press "Next" in the follow screen ("Custom set up").

Afterwards, uncheck the box "Install MongoDB as a service" and press "Next" as shown in the below screen:

Service Configura Specify optional s	ettings	to configure Mongo	DB as a service.			
Install MongoD as	a Servic	e				
Run service as	Networ	Service user				
O Run service as	a local o	r domain user:				
Account Doma	ain:					
Account Name	81	MongoDB				
Account Pass	word:					
Service Name:	Mor	igoD8				
Data Directory:	C:V	Program Files ₩ong	oDB\Server\6.0\data	\	_	
Log Directory:	C:V	Program Files Mong	oDB\Server\6.0\log\		-	

For the screen "Install Mongo Compass" uncheck the box:



Finally, press "Next" and Install.

#### 2.3 Set the MongoDB as a service

To have the Application running at all times, it must be configured as a service, this must be done manually.

2.3.1 Locate and create the folders

Two folders must be created in Disc C for the application.

As shown, one folder is for the data and another for the logs.

mongodb ne Share View		
🛧 📙 > This PC > Local	Disk (C:) > mongodb >	
rcess p	Name ^	Date modifie 7/20/2022 11 7/20/2022 11
pads ients s	Date created: 7/20/2022 1     Size: 1.78 KB     Files: log.txt	1:23 AM

2.3.2 Create MongoDB as a service

Go to the windows start bar, type "cmd", right click on the "command prompt" console because you must run it as an "Administrator".



Web UI Installation - Axap Solutions

Once the console opens to access the database you must type the location. So, you have to find where MongoDB was installed, and copy the path as shown :

		Name	Date modified	Туре	Size
Quick access			0/15/2022 6 01 014	Minda - Da C	2.10
Desktop	*	InstallCompass.ps1	8/15/2022 0:01 PM	Windows Powers	2 KI
Developede		mongod.cfg	8/15/2022 6:01 PM	CFG File	1 K
Downloads	×	mongod.exe	8/15/2022 7:45 PM	Application	54,631 K
Documents	1	mongod.pdb	8/15/2022 7:45 PM	PDB File	813,268 K
Pictures	*	mongos.exe	8/15/2022 6:59 PM	Application	33,839 K
Crystal		mongos.pdb	8/15/2022 6:59 PM	PDB File	454,812 K

Then type in the console the letters "cd", which stands for chain directory, and paste the path previously copied. Finally press enter.



Afterward, add the following script and execute:

mongod.exe --dbpath=c:\mongodb\data --logpath=c:\mongodb\log\log.txt --auth –install



As a result of that, MongoDB should have been installed as a service on your PC.

To check it, go to "Services" and search for it. Once it is found, select it and press "Run" as shown.

File Action View	v нер	
(= +   💼	a 🗟 🛛 🖬 🗖 📭 🗉	Ð
Services (Local)	Services (Local)	
	MongoDB Start the service	n for Distributed Transaction Coordin
	Description: MongoDB Server	Session Manager ge Queuing soft (R) Diagnostics Hub Standard Co soft Account Sign-in Assistant soft App-V Client soft SCSI Initiator Service soft Office Click-to-Run Service soft Office Click-to-Run Service
		soft Pasport Container soft Software Shadow Copy Provider soft Storage Spaces SMP soft Storae Install Service oDB

Search for the mongo shell file, Unblock and extract all the files

🕹   🕑 📕 🗉		Extract	Downloads				
File Home Share	View	Compressed Folder Tools	[				-
Image: Share       File       Hone       Share       Image: Share       I	View PC > Dc Name Today ( # mor	Extract Compressed Folder Tools wwnloads (2) ggodti-windows-x86,64-7.0. ggodti-2.3.0-win32-x64	Downloads Dat 14-signed 8/34 8/34	Central Security Control Security Control Security Control Security Control Security Control Security Control Security Constants	23.0-win32-w64 Properties anty Details Previous Versions mongosh-2.3.0-win32-w64 Compressed (zipped) Folder (zi Windows Explorer C:Ubses/Argentis/Dowrloads 43.3 MB (45,412,352 bytes) 43.3 MB (45,412,352 bytes)	) Change	earch Dc
				Created: Modified: Accessed: Attributes: Security:	Finday, August 30, 2024, 328 31 Finday, August 30, 2024, 202 34 Today, August 30, 2024, 2 minut Read-only Heddan This Ble came from another onoquer and might be biocked help protect this computer.	PM PM es ago Advanced o Unblock el Apply	

2 items 1 item selected 43.3 MB

Search the file mongosh, and execute

= 📕 🔽			Manage	bin					
File Home	Share	View	Application Tools						
← → • ↑ 🖡	> This F	PC > Do	wnloads > mongo	sh-2.3.0-win32-x64	> mongosh-2.3.0-win32-x	64 > bin	~	Ö	Q
Quick access		Name	^		Date modified	Туре	Size		
		🕴 moi	ngosh		8/15/2024 9:38 PM	Application	113,	436 KB	
Documents	*	🗟 moi	ngosh_crypt_v1.dll		8/15/2024 9:52 PM	Application extens	26,	164 KB	
🖊 Downloads	*								
Pictures	*								
🗢 This PC									
Intwork 🍨 🔮									

Check the installation was successful by going back to the console and typing "mongo", you should receive the below message



In case something went wrong and you receive a failure message, you need to remove the mongo db. Please check the "Sanity Check" section within this guide, to eliminate it.

2.3.3 Create the admin user in Mogo DB

Then you must add the below script to create the admin user and authenticate

```
db.createUser(
{
    user: "sa",
    pwd: "$b0admin",
    roles: [ { role: "userAdminAnyDatabase", db: "admin" } ]
}
```

#### )

Once the sentence is added, right click and you should get a message as shown:

```
mongo> use admin
switched to db admin
admin> db.createUser(
... {
... user: "sa",
... pwd: "$b0admin",
... roles: [ { role: "userAdminAnyDatabase", db: "admin" } ]
... }
... )
{ ok: 1 }
admin> _
```

The other step is to authenticate the user so the database will allow us to modify the data.

If you get a 1 after you added the sentence then it was correctly created.

The comand is: db.auth("sa", "\$boadmin")



2.3.4 Create the database and an user for the WebUI

Type the below code in the console: Insert use Avatax db.createUser( { user: "appUser", pwd: "appUser6421", roles: [ { role: "readWrite", db: "Avatax" }] } } Result admin> use Avatax switched to db Avatax Avatax> db.createUser(



The other step is to authenticate the use, The comand is: db.auth("appUser", "appUser6421")



The database is unique for each instance, so if there is already one, but needs a second one; then you must create a new database by changing the name, user, and password.

## 3. Download and install Studio 3T

Navigate to this link to download it <u>https://studio3t.com/download/</u> After, extract the files and install it.

Vame	Date modified	Туре	Size			
🔩 studio-3t-x64.exe	8/31/2022 8:16 PM	Application	269,512 KB			
studio-3t-x64.zip	9/2/2022 10:24 AM	Archivo WinRAR Z	267,683 KB			
webUI v22090200.zip	9/2/2022 10:03 AM	Archivo WinRAR Z	14,979 KB			
	Setup -	Studio 3T 2022.8.0		-		×
	Installing Please w	ait while Setup installs S	itudio 3T on your compute	r.	6	6
	Extracting t3-bundle	files d-tools-2.jar				
	3T Software I	abs				

Log in or create an account, after create a new connection

Then check the option to configure it manually (second option) and press "next"



Then add a connection name and in the server set your type of connection

onnect	ion name:	Avata	ex.	
onnect	ion group:	<root< td=""><td>level&gt;</td><td>6</td></root<>	level>	6
Server	Authentica	tion	SSL	SSH
Conne	ection Type:	Star	ndalon	e

On the Authentication, tab add the user details created for the WebUI database step 2.3.4

User : appUser

Password: appUser6421

Server	Authentication	SSL	SSH	Proxy	IntelliShell	MongoDB Tools	Advanced	
Authe	ntication Mode:	Basic (	SCRAN	1-SHA-2	156)			~
User n	ame: [	appUs	er					
Password:								• 1
Authe	ntication DB:	Avata	4					
		The dat	abase	where th	ne user is defi	ined		

Then press "Test connection", hit "save" and connect.

Status     Operation     Status       Initializing connection     OK       Connecting to server     OK       Authenticating as appUser     OK       Reading server status from connection     OK       Detecting accessible databases     OK       Detecting MongoDB server version     OK       Detecting MongoDB server feature compatibility version     OK			
Initializing connection OK Connecting to server OK Authenticating as appUser OK Reading server status from connection OK Detecting accessible databases OK Detecting MongoDB server version OK Detecting MongoDB server feature compatibility version n/a Connected OK	551	Operation	Status
th Connecting to server OK Authenticating as appUser OK Reading server status from connection OK Detecting MongoDB server version OK Detecting MongoDB server feature compatibility version n/a Connected OK		Initializing connection	OK
Authenticating as appUser     OK       Reading server status from connection     OK       Detecting accessible databases     OK       Detecting MongoDB server version     OK       Detecting MongoDB server feature compatibility version     n/a       Connected     OK	th	Connecting to server	OK
Reading server status from connection     OK       Detecting accessible databases     OK       Detecting MongoDB server version     OK       Detecting MongoDB server feature compatibility version     n/a       Connected     OK		Authenticating as appUser	OK
Detecting accessible databases     OK       Detecting MongoDB server version     OK       Detecting MongoDB server feature compatibility version     n/a       Connected     OK		Reading server status from connection	OK
Detecting MongoDB server version OK Detecting MongoDB server feature compatibility version n/a Connected OK		Detecting accessible databases	OK
Detecting MongoDB server feature compatibility version n/a Connected OK		Detecting MongoDB server version	OK
A Connected OK		Detecting MongoDB server feature compatibility version	n/a
لي A		Connected	N.
	AI		63

If everything is fine, you should see something like this:

~ 🖪	Avatax localhost:27017 [direct]
VE	Avatax
	Collections (0)
	Grid Buckets (0)
	System (0)
	Views (0)

Create a folder named "users" (do not use capitals letters) under the collections.

Search Open Connections (Ctrl+F)	
✓ P Avatax localhost:27017 [direct]	
✓	
Collections (1)	
> 🔁 users	

Then go to the file "user", right click and press insert a document

Search Open Connections (Ctrl+F)	aA < users ×					
Avatax localhost.27017 [direct]       ✓     Avatax       ✓     Collections (1)       >     En users       GridFS Buckets (0)     System (0)       ✓     Views (0)	AppUser>    B Avatax (appUser@localhost:27017) >      Query ∨ {}      Projection {}      Skip      Result Query Code Explain	$ pUser \rangle \bigoplus_{i=1}^{m} Avatax (appUser@localhost:27017) > \bigoplus_{i=1}^{m} Avatax > \bigoplus_{i=1}^{m} users$ $i \sim [1]$ $(1)$ $(1)$ $(1)$ $(2)$				
	$\bigcirc  \leftarrow \leftarrow \rightarrow \rightarrow    50 \qquad \checkmark   Docu$	uments to   🔓 🗟 🗗 🖗 🗟 🜌 📕				
	$ \begin{array}{c} \bigcirc \  \leftarrow \ \leftarrow \ \rightarrow \ \rightarrow \   \ \boxed{50 \qquad \lor} \   \ \text{Docu} \\ \textbf{users} \\ \textbf{id} \end{array} $	uments to   🔓 🔯 🕞 🕞 🔯 👿				
	$ \begin{array}{c} \bigcirc \  \leftarrow \ \leftarrow \ \rightarrow \ \rightarrow \   \ \boxed{50}  \lor  \boxed{50}  \boxed$	uments to   🔓 🕼 🕼 🖗 🕼 👿 🕅				
	$ \begin{array}{c c} \hline & \hline $	uments to				

A screen pops up, paste the below script

🚾 lr	nsert JS	ON Document			×
1 2 3 4 5 6 7 8 9 10 11	¥ ~ ↓	<pre>"_id" : "admin@mail.com", "DisplayName" : "Admin", "Password" : "a6af87ab5bb73bebbfcfab9626f9b6c3a8b5fe4f", "Roles" : [     "admin" ], "Active" : true, "Blocked" : false, "FailedLoginCount" : NumberInt(0)</pre>			
	¢				>
Va	alidate	SON Format JSON Enable word wrap Add Document Add & Cor	ntinue	Cancel	

<mark>{</mark>

\_\_\_\_id" : "admin@mail.com",

"DisplayName" : "Admin",

"Password" : "a6af87ab5bb73bebbfcfab9626f9b6c3a8b5fe4f",

"Roles" : [

"admin"

],

"Active" : true,

```
"Blocked" : false,
"FailedLoginCount" : NumberInt(0)
}
```

## 4. Creating the WebUI as an application.

.dl Home Share View > This PC > Local Disk (C:) > argentis > webUI v22090200 >  $\mathbf{T}$ ~ Name Date modified Type 🖈 Quick access api 9/2/2022 10:32 AM File folde Desktop 144 CC 08 CC0C1C dist File fold Date created: 9/2/2022 10:32 AM Downloads Size: 37,5 MB Documents 4 Folders: bin, Core Files: Global.asax, libmongocrypt.dylib, libmongocrypt.so, ... Pictures

On step 1, you downloaded the application, you should save it in a folder as shown:

#### 4.1 Configuring the application in IIS

Go to the path shown below and create a folder for Avatax.

1	> Th	is PC > Local Disk (C:) > inetpub > wwwroot	
	^	Name	Date m
;		aspnet_client	1/10/20
÷		📜 Avatax	9/17/20
		🥭 iisstart	9/17/20
		🖻 iisstart	9/17/20

Then copy the folder "api" of the solution and take it to the above location

$\uparrow$	C		> Th	is PC	> OS	(C:) >	inetp	oub >	wwwr	oot > Ava	tax	
*	O	ĺ	<u>()</u>	Ŕ	Ŵ	↑↓ :	Sort ~	≡ Vi	ew ~			
	N	lame		^			Date m	nodified		Туре	Size	
		api					9/17/2	024 8:09 P	М	File folder		

Inside "Api" folder there should be a document "Web.config".

If it isn't, then look for it in the "bin" folder; copy it and put it in the "api" folder.

The "Web config" is a document that indicates to IIS that Avatax is an application and explains how it works.

	Sort ~ 🛛 🗮 View ~		
Name	Date modified	Туре	Size
System.Net.Http.Extensions.Compression	9/4/2024 3:18 PM	Application extens_	14 KB
System.Net.Http.Formatting.dll	9/4/2024 3:18 PM	Application extens	185 KB
System.Net.Http.WebRequest.dll	9/4/2024 3:18 PM	Application extens_	25 KB
System.Numerics.Vectors.dll	9/4/2024 3:18 PM	Application extens_	114 KB
System.Runtime.CompilerServices.Unsafe	9/4/2024 3:18 PM	Application extens_	18 KB
System.Runtime.InteropServices.RuntimeL	9/4/2024 3:18 PM	Application extens	21 KB
System.Security.AccessControl.dll	9/4/2024 3:18 PM	Application extens	37 KB
System.Security.Principal.Windows.dll	9/4/2024 3:18 PM	Application extens	18 KB
System.Text.Encoding.CodePages.dll	9/4/2024 3:18 PM	Application extens	749 KB
System.Text.Encodings.Web.dll	9/4/2024 3:18 PM	Application extens	78 KB
System.Text.Json.dll	9/4/2024 3:18 PM	Application extens	629 KB
System.Threading.Tasks.Extensions.dll	9/4/2024 3:18 PM	Application extens_	26 KB
System.ValueTuple.dll	9/4/2024 3:18 PM	Application extens	25 KB
System.Web.Cors.dll	9/4/2024 3:18 PM	Application extens_	28 KB
System.Web.Http.Cors.dll	9/4/2024 3:18 PM	Application extens_	40 KB
System.Web.Http.dll	9/4/2024 3:18 PM	Application extens	444 KB
System.Web.Http.WebHost.dll	9/4/2024 3:18 PM	Application extens_	79 KB
Web.config	9/4/2024 3:18 PM	CONFIG File	8 KB
Web.Debug.config	9/4/2024 3:18 PM	CONFIG File	2 KB
Web.Release.config	9/4/2024 3:18 PM	CONFIG File	2 KB
StdSharp.dll	9/4/2024 3:18 PM	Application extens	431 KB

If you open it , it looks like below.

In row 16 it is the connection chain, which indicates to IIS where to connect to find the database.

new	13	🔛 Web.config 🖸
1	2	xml version="1.0" encoding="utf=8"
2	Ξ<	
3	T	For more information on how to configure your ASP.NET application, please visit
4		http://go.microsoft.com/fwlink/?LinkId=301879
5	L	>
6	E<	configuration>
7	百	<configsections></configsections>
в	T	<pre><section name="log4net" requirepermission="false" type="log4net.Config.Log4NetConfigurationSectionHandler, log4net"></section></pre>
9		
10	E	<appsettings></appsettings>
11	T	<add key="owin:AutomaticAppStartup" value="false"></add>
12		JWT Authentication
13		<add key="jwtSecret" value="49nfBuinfl2bsu284nBbu9b482nBYVFAP2021B2h291mBb2uns"></add>
14		<add key="jwtHashAlgorithm" value="HS256"></add>
15		MongoDB Server
16		<add key="mongoDbConnString" value="mongodb://appUser:appUser64218localhost:27017/Avatax?safe=true"></add>
17		<add key="mongoDbName" value="Avatax"></add> [
18		Default Language
19		<add key="language" value="ES"></add>
20		<add key="version" value="1.0"></add>
21		HTTP API
22		<add key="log" value="false"></add>
23		<add key="compress" value="true"></add>
24		Log Documents
25		<add key="logDeep" value="true"></add>
26	-	
27	白	</th
28		For a description of web.config changes see <u>http://go.microsoft.com/fwlink/?LinkId=235367.</u>
29		
30		The following attributes can be set on the <httpruntime> tag.</httpruntime>
31		<system.web></system.web>
32		<httpruntime targetframework="4.6"></httpruntime>
33		
34	L.	>
35	부	<system.web></system.web>
36		<customerrors mode="Off"></customerrors>
37		<compilation targetframework="4.8"></compilation>
38		<httpruntime maxrequestlength="56000" targetframework="4.6"></httpruntime>
39		<globalization culture="en-05" ulculture="en"></globalization>
40	1	
91	F	<logenet></logenet>
92	9	<appender name="kollingLogrileAppenderOutput" type="loganet.Appender.KollingrileAppender"></appender>
40		<pre><ille value="c:/logs/AvataxwebAr1"></ille></pre>
12		<pre>cappendiofile value="true"/&gt; cappendiofile value="true"/&gt;</pre>
10		(totilingstyle value - Date //
47		Construction value yyymnu ing //
27		<pre>cmaxilzerolloactadps value="10" /&gt; cmaxilzerolloactadps value="10" /&gt;</pre>
40		And A and De 1994 Control of the second seco
50	H	<pre>classification field larget larget // classification larget larget</pre>
51	T	<pre>/// /////////////////////////////////</pre>
52	-	
53	-	
54	H	<rot></rot>
and the second s	-	

#### Later, copy all the files from the folder "dist" (disc C, Argentis, WebUI) in the below location

	$C \qquad \qquad \Rightarrow \qquad \text{This PC} \qquad > \qquad \text{OS (C:)} \qquad >$	inetpub > www.ro	oot > Avatax >	>
		Sort - 🛛 🗮 View -		
	Name	Date modified	Туре	Size
	늘 api	9/17/2024 8:09 PM	File folder	
) al	assets	9/17/2024 8:14 PM	File folder	
a	3rdpartylicenses	9/4/2024 3:18 PM	Text Document	38 KB
	🐒 235.fcd0e067447cd769	9/4/2024 3:18 PM	JavaScript File	1,389 KB
*	🐒 245.b21f8063be83359e	9/4/2024 3:18 PM	JavaScript File	1 KB
*	🐒 369.a014af5f212f676d	9/4/2024 3:18 PM	JavaScript File	781 KB
*	🐒 381.1cd3b4feb66f7e76	9/4/2024 3:18 PM	JavaScript File	26 KB
*	🐒 508.93802835b8ae2c47	9/4/2024 3:18 PM	JavaScript File	4 KB
*	🐒 601.5f4870343d989275	9/4/2024 3:18 PM	JavaScript File	3 KB
*	818.337238c03cd71d85	9/4/2024 3:18 PM	JavaScript File	96 KB
AP N	852.0780187660cee910	9/4/2024 3:18 PM	JavaScript File	69 KB
	fontawesome-webfont.2b13baa7dd4f54	9/4/2024 3:18 PM	EOT File	162 KB
:h	fontawesome-webfont.8a7cb27d142e3e	9/4/2024 3:18 PM	TrueType font file	162 KB
	fontawesome-webfont.cf011583fb81df9f	9/4/2024 3:18 PM	WOFF File	96 KB
	C fontawesome-webfont.da909aa098b0ee	9/4/2024 3:18 PM	Microsoft Edge HT	434 KB
	hontawesome-webfont.e9955780856cf8a	9/4/2024 3:18 PM	WOFF2 File	76 KB
	🧿 index	9/4/2024 3:18 PM	Chrome HTML Do	12 KB
-	🐒 main.97c30e0e227a7a75	9/4/2024 3:18 PM	JavaScript File	794 KB
	🐒 polyfills.23f85b724bd519e9	9/4/2024 3:18 PM	JavaScript File	35 KB
	S runtime.289b06e634d8370b	9/4/2024 3:18 PM	JavaScript File	3 KB
	styles.6f12ddb7116b1922	9/4/2024 3:18 PM	Cascading Style Sh	592 KB

To run the application we need to create it in the IIS (a Windows feature that supports the use of others applications). This is a Windows element that can be turn on or off. (check the video if you don't have it).

Once it is installed or found, access to the IIS



**IMPORTANT:** if the IIS is not installed, we need to install it. To do this, go to Control Panel, then press on "turn Windows features on or of"



Depending on the version of Windows we have installed, the view could vary. But you have to search for these services, and check all checkboxes related to IIS, then press ok, the component will be installed after a few minutes



The IIS has a folder named "inetpub" where it stores all the applications.

Go to IIS and check if the application is already created.



Each application runs with a process, to configure it, it is necessary to create an application pool in IIS. So press on "Application pools", select add application. Then configure one as shown:

😓 10.150.5.242 - Remote Desktop C	onnection						
Internet Information Services (IIS)	Manager					🕂 🖬 107.20.3.135 :	
← → 👌 א SAP-SUNSE-SQ	L01    Application Pool	s					📅 🖂 🟠 (
File View Help							
Ionnections ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Applical This page lets you vie different applications Filter: Name MET v4.5 MET v4.5 Classic DefaultAppPool	tion Po w and mar Status Started Started Started Started	ols age the list of a construction v4.0 v4.0 v4.0 v4.0 v4.0	pplication pools on w All Group by: Integrated Classic Integrated Integrated	the server. Appli Identity ApplicationPoc Localf Edit Ap Applic Localf Edit Ap Name Avata NET Mana Integr	tion pools are associated with worker processes, contain one or more applications, and provide isolation among          Applications         d       0         d       0         ication Pool       ?         R version:       R         IR Version v4.0.30319       •         ed pipeline mode:       •         Implication pool immediately       •         OK       Cancel	Actions Actions Actions Actions Application Pool Set Application Pool Defs Application Pool Tasks Start Stop Recycle Edit Application Pool Basic Settings Recycling Advanced Settings Rename Remove View Applications Rep Help

Some settings must be changed in the Application tool just created.

In order to do so, click on "Advanced settings" (right side of the screen) and make the below changes :

#### Start mode: select "Always running".

It is necessary to make sure the IIS is not going to turn off the Application when it is not used. Otherwise, the schedule won't jobs run .

Identity: select "Local system" (if the client uses DI server)

	Managed Pipeline Mode	Integrated	
	Name	Avatax	
	Queue Length	1000	
	Start Mode	AlwaysRunning	~
~	CPU		
	Limit (percent)	0	
	Limit Action	NoAction	
	Limit Interval (minutes)	5	
	Processor Affinity Enabled	False	- 1
	Processor Affinity Mask	4294967295	
	Processor Affinity Mask (64-bit	t c 4294967295	
~	Process Model		
>	Generate Process Model Event	L.	
	Identity	LocalSystem	
	Idle Time-out (minutes)	20	
	Idle Time-out Action	Terminate	
	Load User Profile	False	
	Maximum Worker Processes	1	
	Ping Enabled	True	-

You need to change the preload to True on the Default Web Site



Then we need to convert the solution into an application. To do so, press right click on the "api" folder and select "convert to Application".



Afterwards, change the Application pool to "Avatax"

ad Application		ŗ	^
Site name: Default Web Site Path: /Avatax			
Alias:	Application pool:		MIME 1
api	DefaultAppPool	Select.	
Example: sales Physical path:	Select Application P	ool	? ×
C:\inetpub\wwwroot\Avatax\api	Application pool:		
Pass-through authentication	DefaultAppPool Avatax		~
Connect as Test Settings	DefaultAppPool		
Enable Preload	.Net CLR Version: Pipeline mode: In	4.0 Itegrated	
	[	OK-	Cancel

As a result the "api" folder must look like shown below because it was turned into an application



Once the application is create you Must selected ang go to the advance setting and change the preload to true

Connections	(Austau/anillama					Actions
2						A Explore
✓ - JAZ-M (JAZ-M\Jazmi)	Filter: • 🐨 Go 🔹	Show All Group	Advanced Settings	7 × )		Edit Permissions
Application Pools	ASDINET		araneed betangs			Basic Settings
V O Default Web Site			✓ (General)			View Virtual Directories
> aspnet_client	404	Y (1	Application Pool Avatax			Manage Application
V Avatax	.NET .NET .NET Error	.NET .NE	Physical Path C:\inetpu	)\wwwroot\Avatax\api		
> - 🗇 api	Authorizat Compilation Pages	Globalization Le	Physical Path Credentials			Browse Application
> assets	IIS		Physical Path Credentials Logon ClearText		~ *	Browse ":80 (http)
			Preload Enabled Irue			Advanced Settings
	👔 👘 🖉	O H	Virtual Path /Avatax/a	л — — — — — — — — — — — — — — — — — — —		🕑 Help
	Authentic Authorizat Compressio	n Default Dire	Behavior	P Address	Logging MIME Types Modules	
	Rules	Document Bro	Enabled Protocols http	id Doma		
	💼 😑 🚨					
	Output Request SSL Setting					
1	country intention					11

Now, open the JSON file and modify the URL accordingly.



The below print shows the url to match with a specific local server. Yo should take the one for you.

🔚 config.json 🔀
"apiServer": " <u>http://DESKTOP-4L99OLC/Avatax/api</u> ", "siteName": "avatax"

Copy the server's name from the ISS



Insert I the browser:



If everything is correct you should be able to access to the Web UI portal.

Argentis. No your Dudress Beller	
Avatax WebUI	
Email *	
Password *	
Login	
Login	

To Log in by DEFAULT :

- User: admin@mail.com
- Password: \$boadmin..

### 5. Sanity check

To verify the installation was successfully done, you can type in the browser the same as before and add "/api"



If the installation is correct, you should see something like this

	сò		Not secure	e   desktop-4l99olc/Avatax/api/			
📨 SAP B.By	D 🕨		Avalara	ETH 📙 R 🛄 Projects 📃 SAP 🌗			
desktop-4l99olc - /Avatax/api/							
[To Parent	Direct	tory]	ed to s	64			
[ <u>To Parent</u> 3/15/2023	3:37	PM	<dir></dir>	bin Classical de la companya de la compa			
[To Parent 3/15/2023 6/18/2022	3:37 8:25	PM PM	<dir> 94</dir>	<u>bin</u> <u>Global.asax</u>			
To Parent 3/15/2023 6/18/2022 9/26/2022	3:37 8:25 10:13	PM PM PM AM	<dir> 94 1230216</dir>	bin Global.asax libmongocrypt.dylib			
[To Parent 3/15/2023 6/18/2022 9/26/2022 9/26/2022	3:37 8:25 10:13 10:13	PM PM AM AM	<dir> 94 1230216 1920328</dir>	bin Global.asax libmongocrypt.dylib libmongocrypt.so			
To Parent 3/15/2023 6/18/2022 9/26/2022 9/26/2022 9/26/2022	3:37 8:25 10:13 10:13 10:13	PM PM AM AM AM	<dir> 94 1230216 1920328 530944</dir>	bin Global.asax libmongocrypt.dylib libmongocrypt.so mongocrypt.dll			
To Parent 3/15/2023 6/18/2022 9/26/2022 9/26/2022 9/26/2022 11/7/2022	3:37 8:25 10:13 10:13 10:13 10:13 10:54	PM PM AM AM AM AM	<dir> 94 1230216 1920328 530944 3770</dir>	bin Global.asax lihmongocrypt.dylib lihmongocrypt.dll packages.config			

Otherwise, you might see something as shown :

etailed Error Info	ormation:		
Module	IIS Web Core	Requested URL	http://desktop-4l99olc:80/Avatax/api
Notification	BeginRequest	Physical Path	C:\inetpub\wwwroot\Avatax\api
Handler	Not yet determined	Logon Method	Not yet determined
Error Code	0x80070021	Logon User	Not yet determined
Config Error	This configuration section cannot be used at this path. Thi s happens when the section is locked at a parent level. Locki ng is either by default (overrideModeDefault="Deny"), or set explicitly by a location tag with overrideMode="Deny" or the legacy allowOverride="fase".		
Config File	\\?\C:\inetpub\wwwroot\Avatax\api\web.config		
74: <directorybrow 75: <handlers> 76: <renove name<="" th=""><th>se enabled="true" /&gt; ="ExtensionlessUrländler-Integrated-4.0" /&gt;</th><th></th><th></th></renove></handlers></directorybrow 	se enabled="true" /> ="ExtensionlessUrländler-Integrated-4.0" />		

This error is caused because in the json document the address is set up as a local host, but the application is installed on desktop XXX.

In order to fix it, open the JSON file and modify the URL accordingly.



The below print shows the url to match with a specific local server. Yo should take the one for you.

🔚 config.json 🔀
"apiServer": " <u>http://DESKTOP-4L99OLC/Avatax/api</u> ", "siteName": "avatax"

#### 6. Remove mongo db

If the mongo db isn't successfully installed, it needs to be removed.

Possible messages to receive if there is an error:

A) Installer is missing a file

```
Administrator: Command Prompt
C:\Program Files\MongoDB\Server\6.0\bin>mongo
'mongo' is not recognized as an internal or external command,
operable program or batch file.
C:\Program Files\MongoDB\Server\6.0\bin>dir
Volume in drive C has no label.
 Volume Serial Number is 7802-082B
Directory of C:\Program Files\MongoDB\Server\6.0\bin
09/02/2022 10:07 AM
                           <DIR>
09/02/2022 10:07 AM
                          <DIR>
08/15/2022 06:01 PM
                                     1,558 InstallCompass.ps1
                        559 mongod.crg
55,941,632 mongod.exe
832,786,432 mongod.pdb
34,651,136 mongos.exe
465,727,488 mongos.pdb
08/15/2022 06:01 PM
08/15/2022 07:45 PM
08/15/2022 07:45 PM
08/15/2022 06:59 PM
08/15/2022 06:59 PM
                6 File(s) 1,389,108,805 bytes
                 2 Dir(s) 1,330,040,832 bytes free
C:\Program Files\MongoDB\Server\6.0\bin>_
```

First, you need to remove it from the cmd. Type this command to delete it: mongod.exe --remove

C:\Program 'mongo' is operable pr	hiles\Mor not recog ogram or	ngoDB\Server nized as an batch file.	interna	n>mongo al or extern	al command
C:\Program	Files\Mor	goDB\Server	\6.0\bi	n≻dir	
Volume in	drive C H	as no label			
Volume Ser	ial Numbe	er is 7802-0	82B		
Directory	of C:\Pro	ogram Files∖	MongoDB	\Server\6.0\	bin
09/02/2022	10:07 AM	I <dir></dir>			
09/02/2022	10:07 AM	1 <dir></dir>			
08/15/2022	06:01 PM	1	1,558	InstallComp	ass.ps1
08/15/2022	06:01 PM	1	559	mongod.cfg	
08/15/2022	07:45 PM	1 55,	941,632	mongod.exe	
08/15/2022	07:45 PM	1 832,	786,432	mongod.pdb	
08/15/2022	06:59 PM	1 34,	651,136	mongos.exe	
08/15/2022	06:59 PM	465,	727,488	mongos.pdb	
	6 Fi]	le(s) 1,389	,108,80	5 bytes	
	2 Dir	(s) 1.330	.040.83	bytes free	

Second, check in "Services" the mondo DB disappeared.

Third, go to "programs" in the panel control and press uninstall.



Finally, delete the mondo db folders created in the disc C.

📙 > This PC	> OS (C:) > mongodb	
rs ^	Name	
tics	📕 data 📕 log	

After that, you should restart the installation process.