#### Webdashboard & Google Workspace

One of the key features of Webdashboard is that you can let everyone login to Webdashboard. With no difference to customers, suppliers, the CEO or a cashier. This is enabled by multiple ways:

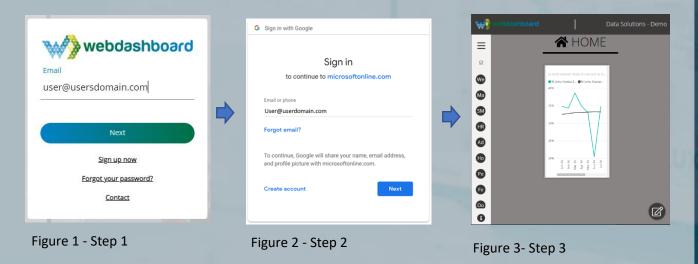
- You can invite everyone with an e-mail address, to get an Webdashboard account
- You can connect your own user management system to Webdashboard, this includes Azure Active Directory, Azure B2C and Google Workspace. This way you have Single SignOn and the same username and password you use in other environments.

In this leaflet we'll show you:

- What benefits you have connecting Webdashboard to your Google Workspace.
- How you connect Google Workspace to Webdashboard.
- How Webdashboard you add Google Workspace users to Webdashboard.

#### **Benefits connecting Google Workspace**

By setting up federation with Google, you can allow invited users to sign in to Webdashboard with their own Gmail accounts. On the Sign in page, a user can simply enter the email they use to sign in to Google Workspaces. After clicking next they will see the familiar google signin page. After signing in they are logged into Webdashboard. When already signed in to you Google Workspace account, step 2 will not be visible to the user.



#### Federating your Google Workspace

There are 2 main parts that have to be configured for the Google Workspace Federation. You need to enable the required services and create a project that gives Webdashboard consent to Federate with your Workspace domain.

#### Part 1: Enable the required services

Browse to your Google Admin Panel, make sure you login with an administrator account <u>https://admin.google.com</u>. The open the "Additional Google services" page that is located under Apps.





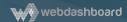
Figure 4 - Navigate to Apps

Figure 5 - Navigate to Additional Google Services

#### Now enable "Developer Platform" and "Google Cloud Platform" for everyone.

≡ Google Admin Q Search for users, groups or	settings				8	0	 M
Apps > Additional Google services							
G Additional Google	G Additional Google services		additional services without individual control fo	r all organisational units is turned On	CHANGE		
services			tus for apps in all organisational units		ADD SERVICES		
All users in this account		Servic	es 🛧	Service Status			
Groups	~	🗆 Ġ	Applied Digital Skills	ON for everyone			
Organisational units	^	0	AppSheet	ON for everyone			
Search for organisational units			Blogger	ON for everyone			
- webdashboard.be			Campaign Manager	ON for everyone			
		0 🚡	Chrome Web Store	ON for everyone			
			Classroom	ON for everyone			
		🗆 🔓	CS First	OFF			
		•	Developer Platform	ON for everyone			
	- 1		DoubleClick Search	ON for everyone			
		0 <b>G</b>	FeedBurner	ON for everyone			
		. 🧕	Google Chrome Sync	ON for everyone			
		🗆 🗘	Google Cloud Platform	ON for everyone			
		0 🏺	Google Cloud Print	ON for everyone			

Figure 6 - Enable "Developer Platform" and "Google Cloud Platform"



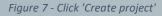
#### Part 2 – Create a Project

This is done in the Google Cloud Platform you just enabled. Navigate to <u>https://console.cloud.google.com/cloud-resource-manager</u> to create the new project, make sure you connect this project to you Google Workspace organisation.

Google Cloud Platform							
Mar	nage resources	CREATE FOLDER MOVE DELETE					
W Filter Eller							
	Name	10					
	* 🗈 webdashboard.be	333816327053					
	Webdashboard	webdashboard-310012					
RE	SOURCES PENDING DELETION						

(recret ID: webdashboard 310812, it cannot be changed later. EDIT     (repetiation * vebdashboard 310812, it cannot be changed later.     Select an organisation to attach it to a project. This selection can't be changed later.     Location *		
Project name * Weddaihboard Weddaihboard Weddaihboard Project ID: webdaihboard 910912, It cannot be changed later. EDIT Orgenization * Weddaihboard be Select an organisation to attach it to a project. This selection can't be changed later. Locator * Locator * Locator * BROWSE	Google Cloud Platform	
Webdantboard C C C C C C C C C C C C C C C C C C C	lew Project	
Project ID: webdashboard-319812, it cannot be changed later. EDIT opparietation * • • • • • • • • • • • • • • • • • •	Project name *	
Organisation * Constraints of the project. This selection carit be changed later. Location * Location * BROWISE Browner BROWISE Browner BROWISE	Webdashboard	0
webdashboard.be • • • • • • • • • • • • • • • • • • •	Project ID: webdashboard-310812. It cannot be changed late	r. EDIT
Select an organisation to attach it to a project. This selection can't be changed later. Location *  Webdashboard be BROWSE	Organisation *	
Location *BROWSE	webdashboard.be	- O
webdashboard.be BROWSE BROWSE	Select an organisation to attach it to a project. This selection	can't be changed later.
	Location *	
Parent organisation or folder	webdashboard.be	BROWSE
	Parent organisation or folder	
	CREATE CANCEL	
CREATE CANCEL		
CARLE		

Figure 8 – Fill out the popup



Now we have a project we need to configure:

- Enable API's the project can use
   Here the API's the project can call are enabled.
- Consent screen

Here you can configure your company information everyone that logs in through this project will see and to what scopes the user has to give consent to use the project.

- OAuth client

Here we generate the Client ID and Secret Webdashboard will use to connect to your Google Workspace.

- Service account

This is the account with which Webdashboard will use the project.

Workspace Security
 Connect the project to your Workspace



#### **Enable API's**

Browse to the dashboard <u>https://console.cloud.google.com/apis/dashboard</u> and select 'Enable APIs and Services'. Here search for the 'ADMIN SDK API' and enable it.

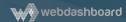
=	Google Cloud Platform	🕈 Webdashboard1 👻	
API	APIs & Services	APIs & Services + ENABLE APIS AND SERVIC	:ES
•	Dashboard		
-	Library		
0*	Credentials	Traffic	ŧ
5	OAuth consent screen		1.05
8	Domain verification		0.01
$\pi_0$	Page usage agreements	No data is available for the selected time frame.	0.4%
			0.2%
		Mar 21 Mar 25 Apr 04 Apr 11	

Figure 9 - Select 'Enable APIs and services'

≡ Google Cloud P	ogle Cloud Platform 🕻 Webdashboard1 👻 🔹					
← Search		Q admin sdk api			×	
Filter by 2 results						
CATEGORY Developer tools (1) Google Workspace (1)	O	Admin SDK API Google Admin SDK lets administrators of enterprise domains to view and manage resource	ces like u	JSer,		
Security (1)	θ	Cloud Identity Google Easily manage users, devices, and apps from one console			•	

Figure 10 - Search for the ADMIN SDK API

🕽 Webdashboard1 👻			Search produ
÷			
	Admin SDK API		
	Admin SDK lets administrators of enterprise domains to resources like user,	o view	and manage
	ENABLE TRY THIS API 🖉		
iqure 11 - Enab	le the API		



egister your app, including your app with your project.

> Your app will start in ou add to the list of tes

#### **Consent screen**

Navigate to <u>https://console.cloud.google.com/apis/credentials</u>, make sure you have the correct project selected. Then configure the consent screen with User Type "Internal".

=	Google Cloud Platform	⊅ Webdashboard1 👻			8 8 9 4 E 🙆	=	Google Cloud Platform	> Webdashboard) +
RPI	APIs & Services	Credentials + CREATE CREDENTIALS				RPI	APIs & Services	OAuth consent screen
۰ 	Dashboard Library	Create credentials to access your enabled APIs. Learn more					Dashboard Library	Choose how you want to configure and in target users. You can only associate one
-	Credentials	Remember to configure the OAuth consent screen with information about y	your application.		CONFIGURE CONSENT SCREEN		Credentials	User Type
5	OAuth consent screen	API keys				3	OAuth consent acreem	<ul> <li>Internal</li> <li>Only available to users within your or</li> </ul>
0	Domain verification	Name Creation of	date 🕹	Key			Domain verification	submit your app for verification.
=0	Page usage agreements	No API keys to display OAuth 2.0 Client IDs				2	Page usage agreements	External     Available to any test user with a Goog     testing mode and will only be available
		Name Crei	ation date 🕹 🛛 Clien	10				users. Once your app is ready to push
		No OAuth clients to display						venify your app.
		Service Accounts			Manage service accounts			CHEATE
		No service accounts to display						Let us know when you think about our Okath experi

*Figure 12 - Select 'Configure consent screen' under credentials* 

Figure 13 – Select 'Internal' as 'User type'

Now there are 2 steps, the 'OAuth consent screen', this is where you can provide your logo and name, to make the logon screen familiar to your users. Then the scopes, select '.../auth/userinfo.email', '.../auth/userinfo.profile' and 'openid'. Then Save and Continue in the summary

		the second s		24				
Google Cloud Platform	> Webdashboorft +	RPI APIs & Services	Edit app registration Okuth consent screen — O Scopes — O Summary	API In the	es for enabled APIs are listed Google API Library or use the mable from the Library	below. To add a missing scope to this screen, Pasted Scopes text box below Refresh the pa	find and enable the age to see any new	
RPI APIs & Services	Edit app registration	E Lbay						
		0- Credentials	Scopes express the permissions that you request users to authorise for	V Fiber Enters	operty name or value		•	
Dashboard	O Auth consent screen —      Scopes —      Summary     Summary	T DArth compart scient	your app and allow your project to access specific types of private user data from their Google Account. Learn more	🖬 🖉 🕇	Scope	User-facing desorption		
II Ubrary					./suti/useints email ./suti/useints profile	See your primary Google Account email o See your personal info, including any per		
04 Credentais	App information	CI Osmain verification	ADD OR REMOVE SCOPES		_/water planeted process	made publicly available	oural and house	
IF Dauth consent screen	and the second second second second second	To Page-usage aproximents			specid	Associate you with your personal into on		
	This shows in the consent screen, and helps end users know who you are and contact you		Your non-sensitive scopes	L BQDURY AR	_ rauto biggiery	Vew and manage your data to Google Bo	gunny .	
D Domain verification	App name *			BigDurry	/autt/cloud-platform	See, edit, configure and delete your Goog	pe Coust Pattorn	
Fo Page usage agreements	App name " webdashboard		API e Sospe User facing description	D ByDuey	/e./th/pparty	View your data in Google BigQuery	_	
	CALL AND		No oper to delptor	49	readonly			
	Uver support email *			BigQuery APt	/auth/cloud-gratterm read-only	View your data across Google Cloud Plat	norm services	
	martingwebdainboard be		Your sensitive scopes     Sensitive scopes that request access to provide user pata	0 890.wy 491	/auth/devstorage Nal_control	Manage your data and permission in Goo	ogre Cloud Storage	
				0 892.44Y	/auth/devistorage read_only	View your data in Google Cloud Storage		
	App logo BROWSE		APT + Scope Uner-Tacing description No rows to deplay	Bq2xey	/autt-devstorage	Manage your data in Google Cloud Stora		
	Epicani an image, not larger than 1. MB on the consent acress that will help users encogiver your app. Allowed image formans are "PRI, PHIL and BMP Larges simuli be assume and 120on by 120on for the area masks.			491	read_write			
	and a strate source being servery					Rows par page 10 • 1 - 1 Google Cloud Platfor	ten De Webdeeldoereft +	
			Your restricted scopes	Manually add s	copes	RPI APIs & Services	Edit app registration	
	To protect you and your users, Google only allows apps using DAuth to use Authorised Domains. The following information will be shown to your users		Restricted scopes are scopes that request access to highly sensitive user sate.		would like to add do not appr ated by comman. Please pro-			
	on the consent screen.		API 🕈 Scope User facing description	finished, click Add to		E Lowy	your app and allow your proa-	ions that you request users to authorise for ect to access specific types of private user
	Application forme page		Nas revers to complete			e- Detertais	data from their Google Acco	ant Learningre
	Provide users a link to your home page		SAVE AND CONTINUE CANCEL			35 EAuth consent acreent	ADD ON REMOVE SCOPES	
	Contraction and the second s			ACO TO TABLE		Doman verification		
	Application privacy policy link Provide users a link to your public privacy policy					To Page stage agreements	Your non-sensitive scop	pes
	Provide strate is the to have been proved strate.			UPDATE			API e from	Dan facing description
	Application Terms of Service Int.	4					(advastative)	The your primary doops Account.
	Provide users a link to your public Terror of Service						and a	See your personal lefts, becading
		Eiguro 15	- Select the scopes				2054	publics analides
	Authorised domains	Figure 15	- Select the scopes				and a	Associate you with your servicess 🔹
	When a domain a used on the consent solvers or in an D4uth clearts clastifyond on, it must be an imported here. If you say needs to go through verification, plasse go to the <u>Consels Service</u> Consels or broad of goal classes are submarriant. Canon may adout the activates Solvers Territ.						A Your sensitive scope	
								t request access to private user data
	+ ADD DOMAIN						APL	time facing description.
	Developer contact information							
	Emul addresses *					former and	Your restricted scope	
	These email addresses are for Google to hotify you alout any changes to your project.						And the super are super for	directed access to tighty services one data
							Art & Boge Sectores to Objerry	can and another
4	SAVE AND CONTINUE CANCEL						SAVE AND CONTINUE CAR	m
						. 0		

Figure 14 - You company information

Figure 16 – Save and continue

#### **OAuth client**

We navigate back to the Credential page in Google Cloud Platform. Het we click 'Create Credentials' -> 'Oauth client ID'. Then we need to configure this OAuth Client as a 'Web application' with the name 'Webdashboard'. The 'Authorised redirect URIs' are vital.

- https://backend.webdashboard.com/api/Authentication/GoogleWorkspace
- https://devapi.webdashboard.com/api/Authentication/GoogleWorkspace

When you created this OAuth client ID, make sure you save the Client ID and Client Secret for later use.

=	Google Cloud Platform	🕽 Webdashboard1 👻	٩			
RPI	APIs & Services	Credentials	+ OREATE CREDENTIALS			
¢	Dashboard	Create credentials to ac	API key Identifies your project using a simple API key to check quota and access			
	Library	A Remember t	OAuth client ID Requests user consent so that your app can access the user's data.			
0*	Credentials		Service account			
5	OAuth consent screen	API keys	Enables server-to-server, app-level authentication using robot accounts			
۵	Domain verification	Name Name	Help me choose Asis a few questions to help you decide which type of credential to use			
T <sub>0</sub>	Page usage agreements	No API keys to displa	Asks a rew questions to neip you decide which type of credential to use			
		OAuth 2.0 Client II	Ds			
		Name Name	Creation date 👃			
		No GAuth clients to di	solay			
		Service Accounts				
		Emai				
		No service accounts to	o display			

Figure 17 – Create a OAuth Client ID



OAut	h client created	
The client Services	t ID and secret can always be accessed from Credentiais in APIs	8
0	OAuth access is restricted to users within your organisation, unless the <u>OAuth consent screen</u> is published and verified.	
- Your Clie 779917	ent ID 1515268-p83vfon5fduabgqoc8finhes5ot4pvbk8.apps.gc	0
-sAe9t	nt seort qaZXjrFOSAdDreOtvp	0
		ок
gure :	18 – Save these values for later us	е

Figure 19 – Make sure the Applicationtype is Web Application and the reply URLs are correct

#### **Service Account**

First create the account. Navigate back to the credentials page <u>https://console.cloud.google.com/apis/credentials</u> and select 'Create Credentials' -> 'Service Account'.

Then under 'Service Account details' make clear this is for Webdashboard and under 'Grant this service account access to the project' choose 'Viewer' under 'Basic'.

Leave the other field blank and click done.

	Google Cloud Platform	3• Webdashboard1 +	
RPI	APIs & Services	Credentials	+ CREATE CREDENTIALS
0 11	Dashboard	Create credentials to ac-	API key Identifies your project using a simple API key to check quota and access OAuth client ID
-	Credentials	API kéys	Requests user consent so that your app can access the user's data. Service account
37	OAuth consent screen	No API keys to displa	Enables server-to-server, app-level authentication using robot accounts
0 =0	Domain verification Page usage agreements	OAuth 2.0 Client I	Help me choose Asks a few questions to help you decide which type of credential to use Creation date
		Name     Webdashboa	•
		Service Accounts	
		Email No service accounts t	to display

Figure 21 – Create a Service Account

Figure 20 – Webdashboard as Figure 22 – Basic / Viewer as grants account details

Now we need the Service Accounts Email / Unique ID and Key. For this click on your newly created Service Account. The Email and Unique ID are on the first page. Save them for later use. Now click on the Keys tab, select 'Add Key' -> 'Create new key' and download the JSON. Save this JSON for later use.

← Webdashboard	← webdashboard	
DETAILS PERMISSIONS KEYS METRICS LOGS	DETAILS PERMISSIONS KEYS METRICS LOGS	Create private key for 'webdashboard'
Service account details           Name         SAVE           Velocisationard         SAVE           Perciption         SAVE           Imail         webdishboard           Imail         SAVE           Dmail         SAVE           Imail         Save           Imail Save and sav	Ways     Add a new key pair or usional a public key certificate from an existing key pair. Peake note that public certificates need to be in RAU, 350, PEM format (sam nove about source) courses of the second source) courses of the second source of the seco	Downloads a file that contains the private key. (Bore the file securely because this key cannot be recovered if lost.

Figure 23 - Save these values for later use Figure 24 - Create a new key



#### **Google Workspace Security**

Now we configured the API's, by which account and what the scopes are, we need to connect this to your specific Google Workspace. Open the Admin panel <u>https://admin.google.com</u> click security click on 'API Controls'. On this page under 'Domain-wide delegation' select 'Manage Domain-wide delegation'. Click Add New.

Here you fill in the 'Unique ID' from your security account (figure 24) and add the following scopes and click 'Authorize':

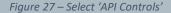
https://www.googleapis.com/auth/admin.directory.group.readonly

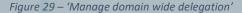
#### https://www.googleapis.com/auth/admin.directory.user.readonly

≡ Google Admin	Q. Search for users, groups	s or settings					0 0	
Admin Console								
Dashboard See relearst mights about your organisation	Users Add er manage users	Groups Create groups and mailing lists	Organisational units Add, remove, meanes, move or search for an organisational unit	Buildings and resources Manage and moritor buildings, rooms and columns	Devices Secure consorts data on devices	Apps Manage agos and their syttings	Security Configure security settings	¢
Reports Monitor usage across your organisation	Billing Manage subscriptions and billing	Account settings Update information about your company	Admin roles Manage administrative roles	Domains Manage your domains	Data migration Manage migration	Support Talk to our support team		

Figure 26 – On the Google Workspace admin page, click on 'Security'

			MANAGE COOGLE SERVICES	MANAGE THIRD-PARTY APP ACCESS
Set up single sign-on (SSO) with a third party IdP	~			
Set up single sign-on for managed Google Accounts using a third-purty identity provider.		Settings	Show this message if a user tries to use an app that cari	access restricted Google services
Advanced Protection Program Configure the strongest security settings for those who need it must	~			
Enrollment Allow users to enroll in the Advanced Protection Program:			Message (300 characters limit)	
Andre dans to destin in the Available Processon Program. Enable user enablement, discutty codes: Allow security codes without remote access			Block all the d-party API access	loogle Workspace data. This setting blocks all OAuth scopes, including
Applied at webdishbourd be			signin scopes. Learn more	an ann a' fhainn ann an tha fhainn ann an thainn an
			Trust internal, domain-owned apps	
Context-Aware Access	~		Internal, domain owned apps will be exempt from a	ccessing 0-Auth scopes that are restricted or blocked
Use device and user identification to manage access levels and enforce access policies for Google Workspace applications.			Apps that you trust on the Google Workspace Marketplac control list.	ie, Android or iQS whitelist are automatically trusted on your App access
Google Cloud session control (Beta)	~			CANCEL SAVE
Set session duration for Google Cloud Platform console and Google Cloud SDK		-		CANCEL BAVE
	_	Domain-wide delegation		
API controls	~		ions and other AB clients with Google to enable access to d	ata in Google services like Gmail. You can authorise these registered clients
Manage OAuth access to third party apps, and manage Domain wide delegation			is having to individually give consent or their passwords. Lea	





.directory.group.readonly .directory.user.readonly

ie ID and

Add a new client ID		
Client ID 113207476101874380473 Overwrite existing client ID @	]	
https://www.googleapis.com/au		Figure 28 – User you Service Account unique https://www.googleapis.com/auth/admin
OAuth scopes (comma-delimite	d)	https://www.googleapis.com/auth/admin
	CANCEL AUTHORISE	as a scopes



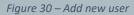
#### Service account user

Now all settings are done, we only need a user account to actually read data from your workspace. We are going to create a user that will act as an service account. The rights this user will need are: <u>Groups Admin</u>

You will need to add this account in Webdashboard connect to google workspace setup screen.

Open the Admin panel <u>https://admin.google.com</u> under Users click on 'Add a user'.

≡ Google Admin	Q Search for users, groups or settings				
Admin Console					
	Welcome to your new Admin console homepage! You'	ll find e	asier navigation and quick access to common user, billing an	d domain	tasks. Stay tuned for more enhancements! Learn r
	Lusers ^		Billing	^	Domains
	Add a user		Manage subscriptions		Manage domains
	Delete a user		Payment accounts		Add a domain
	Update a user's name or email		Get more services		Change your primary domain
	Create an alternative email address (email alias)				



In the popup add a user we called it "serviceaccount" and click on add new user. Save the email we will need it later.

Add new user
First name *
serviceaccount
Sumame *
serviceaccount
Primary email *
serviceaccount @ webdashboard.be
Organisational unit*
webdashboard.be
Secondary email
Phone number
* indicates a required field
Automatically generate a password
Ask for a password change at the next sign-in
CANCEL ADD NEW USER

Figure 31 – Add new user popup.



Now we need to assign the role <u>Groups Admin</u> to the newly added user. Browse to the new user and click on Assign roles.

≡ Google Adn	nin Q. Search for users, groups or settings		8	?	
Users > serviceaccount	tserviceaccount				
		User details			
Service serviceacci Active Last sign-in:	serviceaccount serviceaccount@webdashboard.be	Security 2-step vetification: OFF Application-specific password Connected applications Not enforced and not enabled for serviceaccount 0 applications specific passwords created account account	~		
	Organisational unit webdashboard.be	Recovery renall Add a recovery phone			
	RESET PASSWORD	Password settings   Application Integrations			
	RENAME USER	Groups	~		
EMAIL SUSPEND USER		serviceaccount doesn't belong to any groups. Add serviceaccount to team and project groups, making it easier for this user to collaborate.			
	RESTORE DATA DELETE USER CHANGE ORGANISATIONAL UNIT	Admin roles and privileges serviceaccount doesn't have any admin roles or privileges.	~		

Figure 32 – Assign roles to user.

Toggle the Group Admin switch to on and save.

0 roles assigned		CREATE CUSTOM ROL
Role name	Scope of role	Assigned state 🛧
Super Admin Google Workspace Administrator Seed Role		Not assigned
Groups Admin Groups Administrator		Not assigned
Groups Reader Groups Reader	All organisational units	Assigned
Groups Editor Groups Editor	-	Not assigned
User Management User Management Administrator		Not assigned
Help Desk Admin Help Desk Administrator	-	Not assigned
Services Admin Services Administrator		Not assigned
Mobile Admin Mobile Administrator	-	Not assigned

Figure 32 – Assign group admin role to the serviceaccount



#### **Connect in webdashboard**

In the previous steps you saved some data we need to connect in webdashboard.

- Credentials json
- OAuth Client Id
- Client Secret
- Service Account (new user)
- Project name

Make sure you got al those values, if you miss one go some steps back to get the right information. Upload the json and complete the rest of the form and press "connect google"

After its connected you should see a green sign and the window will close.

🚱 Connect my business to Google workspace	⊗	🔗 Connect my business to Google workspace	⊗
webdashbaard1-10		webdas/boardt:10	
Ofuth Id		OArah Id	
vfom5fduabggoc8fmhes5ot4pvbk8.apps.googleusercontent.com	-	Client secret	
EDSAdEheDtvp	-	Server account	
Service account @webdashboard.be		Prijet name	
Project name Webdashboard1			
		Succesfully connected to Google workspace.	
		2748427 (2747) S	_

Congratulations Webdashboard and Google workspace are now connected!



## "

### Webdashboard is the Power-up for your Power BI environment!

# It's not a replacement but it adds the vital features you never knew you needed!

"

#### Webdashboard Contact

Follow us here to stay up to date:

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- https://twitter.com/Webdashboard
- For information, questions, suggestions and feedback: <u>support@webdashboard.com</u>

