

Power Pages Masterclass (by Arpit Shrivastava / Piotr Rusak)

Lab 003 Admin Center actions

Part 1 – Creating sample Website

- 1) Open Entra ID Portal for your tenant by opening URL <https://aad.portal.azure.com> (using your Dev Tenant admin account)
- 2) Then go to Applications => App Registrations section

Application (client) ID	Created on	Certificates & secrets
e7b77cb1-1d3c-4b94-9076-448c3244072c	9/11/2023	Current
e90c39fa-db88-4eeb-8051-6e77f80067ba	9/16/2023	Current
6e3216a7-9361-40ff-a452-7604b77b3cf9	9/18/2023	Current

- 3) Count all Owner application registrations with prefix “Portals-” – you should see exactly this number how many Power Pages Websites you created in your tenant.

Those app registration create trust between Azure Hosted Web Apps and Dataverse.
Other Azure Hosted resources for Power Pages websites are not visible from Azure Portal
(Microsoft governs them as SaaS solution)

- 4) Go back to Power Pages Design Studio and create new Website with name “**To Be Deleted Test Site**” – leave any url (pick Blank page template)

Step 1 of 2

What do you need your site to be able to do?

We have a number of customizable templates that could make an excellent starting point for your new site design.

Financial Enables simple location selection and appointment scheduling for all types of meetings. Includes customizable calendars, automated reminders, and more.

Cross-industry Provide your target audience with answers to commonly asked questions.

Education Enables parents to browse after school activities, visualize available sessions, see the program capacity, and register online.

Application processing Enables online submission of permits and the ability to track their approve status.

Government

Starter layout 4 Customize this generic template to solve a unique business need.

Starter layout 5 Customize this generic template to solve a unique business need.

Blank page Customize this blank template with the sections, components, and styling you want.

Power Pages Blank Cross-industry

Blank page

Step 2 of 2

Great, let's add a few basic details while we start setting up your new site

Give your site a name *

Create a web address *
✓ site-sfdev.powerappsportals.com

Site language

Hide details ↴

Back Done

- 5) This should take approx. 5 minutes to create empty Web Site that we will try to use for our Administrative tests 😊

- 6) After website is created – EDIT Button becomes active and text “Getting your site ready” will disappear.

The screenshot shows the Microsoft Power Apps Portals interface. At the top, there are tabs for 'Active sites' and 'Inactive sites'. Below are two cards representing websites:

- To Be Deleted Test Site**: Created by Piotr Rusak. Status: Private. Suggested next steps: Customize theme, Connect a custom domain. Buttons: Edit (disabled), Preview, ...
- Power Platform Masterclass**: Created by Piotr Rusak. Status: Private. Suggested next steps: Invite others to your website, Customize theme. Buttons: Edit (disabled), Preview, ...

The screenshot shows the Microsoft Power Apps Portals interface again. The 'Edit' button for both websites is now highlighted in yellow, indicating it is active.

- 7) Now it is time to revisit Azure AD (Entra ID) portal and see how many App Registrations you can see – you should see 1 more.

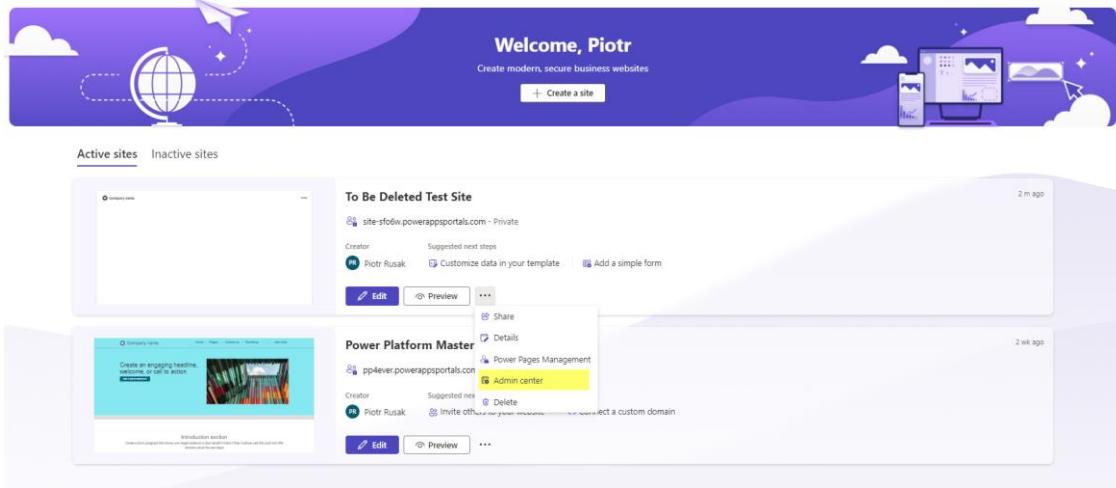
The screenshot shows the Microsoft Entra admin center's 'App registrations' page. The sidebar includes sections like Favorites, Identity, Users, Groups, Devices, Applications (selected), Enterprise applications, Protection, Identity governance, External identities, Protection, Identity governance, Verifiable credentials, and Learn & support.

The main area displays app registrations:

Display name	Application (client) ID	Created on	Certificates & secrets
Portals-Power Platform Masterclass	e7b77cb1-1d3c-4ba4-9076-448c3244072c	9/11/2023	Current
Portals-pp4ever-europe	e90c396a-db88-4eeb-8051-e77f800e7ba	9/16/2023	Current
Portals-pp4ever CoPilot	6e321ba7-9361-40ff-a452-760ab7b3cf9	9/18/2023	Current
Portals-To Be Deleted Test Site	cbf50a6b-aa65-4d6b-9ba1-675b599ba67	9/28/2023	Current

Part 2 – Actions available from Admin Center – review

- 1) Open Power Pages Design studio and start move to Admin Center for website that you just created in Part 1 of this workshop



Admin Center for selected Power Pages website should show up in new browser tab.

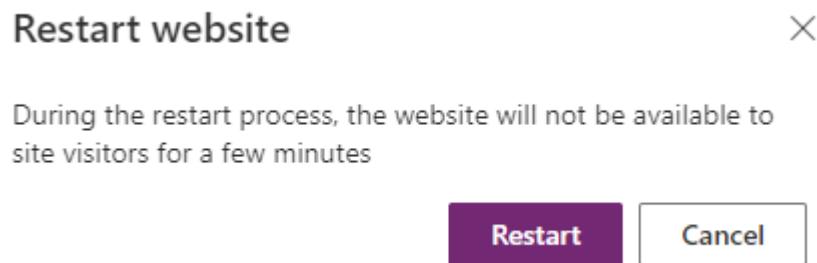
- 2) Let's review all options available inside Admin Center for Power Pages Website
- 3) Let's focus on Site Actions available from top left flyout menu

The screenshot shows the Microsoft Admin Center interface for a Power Pages website. The 'Site Actions' dropdown is open, displaying five options: 1. Restart site, 2. Shut down this site, 3. Delete this site, 4. Disable custom errors, and 5. Enable diagnostics logs. A 'Convert to Production' button is located below the actions. The main page displays various settings and status information:

- Application Type:** Developer Website
- Site State:** On
- Data Model:** Enhanced
- Early Upgrade:** No
- Application Id:** cbf50a6b-aa65-4d6b-9ba1-675b5396...
- Org URL:** https://org54080e5.crm4.dynamics.co...
- Site Visibility:** Private
- Security:** IP Restrictions, Custom Certificates, Website Authentication Key, Manage Site Visibility Permissions
- Performance & Protection:** Content Delivery Network (disabled), Web Application Firewall (disabled)
- Services:** Power BI Visualization (disabled), Power BI Embedded Service (disabled), SharePoint Integration (disabled)

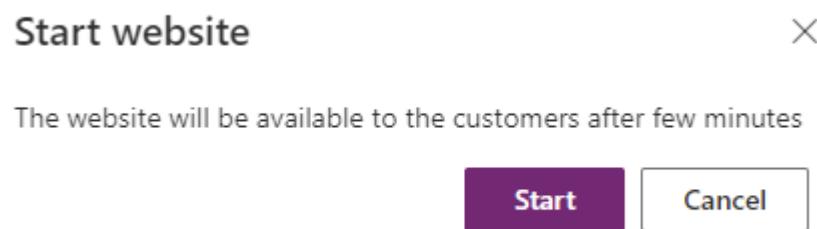
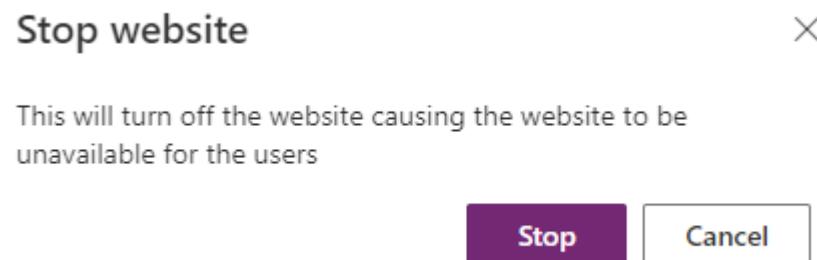
Below the main content, there is a 'Site Health' section with a 'Site Checker' tool and a 'Run' button.

- (1) Restart site** – reboots Azure specific web resources (might be needed to apply some global configuration changes)

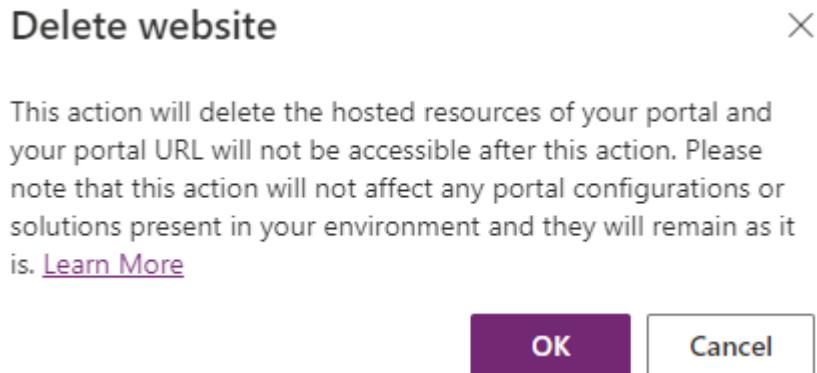


NOTE: Do not proceed with this option – as we have limited time during workshop

- (2) Shut down this site** – this stops Azure specific web resources (after successful STOP this button will change to “Start this site” – and you will be able to START web site back)

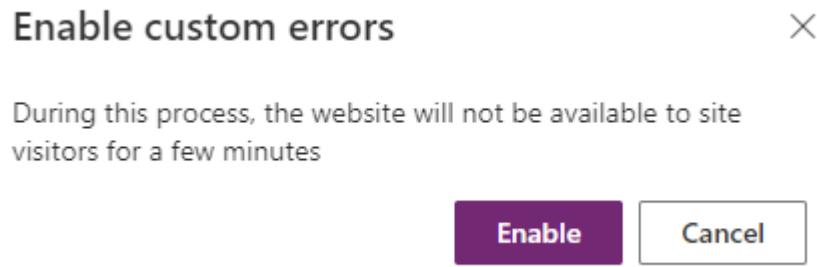
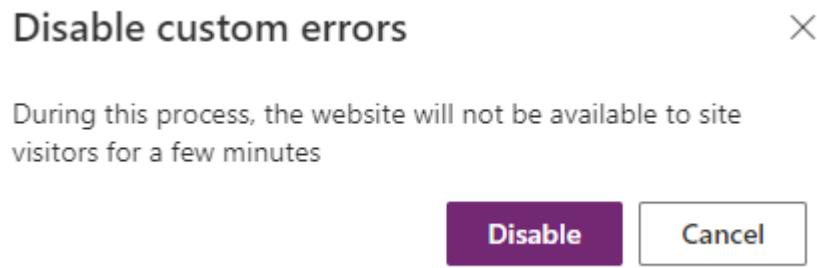


- (3) Delete this site** – double confirmed option to Delete Power Pages Website Host from Azure (site will move to Inactive stage and can be activated back by instantiating new Azure Hosted web resources)



NOTE: Wait with this option for later stage of workshop.

- (4) Disable custom errors** – double confirmed operation of disabling custom errors displayed to end users. After disabling them operation changes to “**Enable custom errors**”. With custom errors enabled unhandled exceptions in Power Pages portal are not clear to developers. During development it is recommended to disable custom errors / in PROD websites it is recommended to enable custom errors.



- (5) Enable diagnostic logs** – feature that requires separate Azure Storage account where Power Pages engine can store logs from all activities happening in Power Pages website (very useful when troubleshooting problems in Power Pages website code – to analyse reported errors / warnings)

Enable diagnostic logging

To configure diagnostic logging, you must provide an Azure Blob Storage account to store the logs.

Select a retention period *

30 days



Azure storage connection string *

With this setting you can also specify how long gathered logs will be retained in Azure Storage (too prevent that this will take too large space).

- (6) **Enable maintenance mode** – self-explanatory. Used to display default or custom page instead of Pages website. Should be used when fixing substantial issues with Power Pages website or installing any updates / upgrades that may cause not stable work of the website.

Enable diagnostic logging

To configure diagnostic logging, you must provide an Azure Blob Storage account to store the logs.

Select a retention period *

30 days



Azure storage connection string *

More details here: <https://learn.microsoft.com/en-us/power-pages/admin/admin-overview#site-actions>

- 4) Now move on to next set of Actions available from flyout menu over ... (3 dots)

The screenshot shows the Microsoft Power Apps Portals Admin Center interface. In the top left, there's a "Site Actions" dropdown with four options numbered 1 through 4:

- Update Dynamics 365 URL
- Metadata translations
- Install Field Service Extension
- Install Project Service Extension

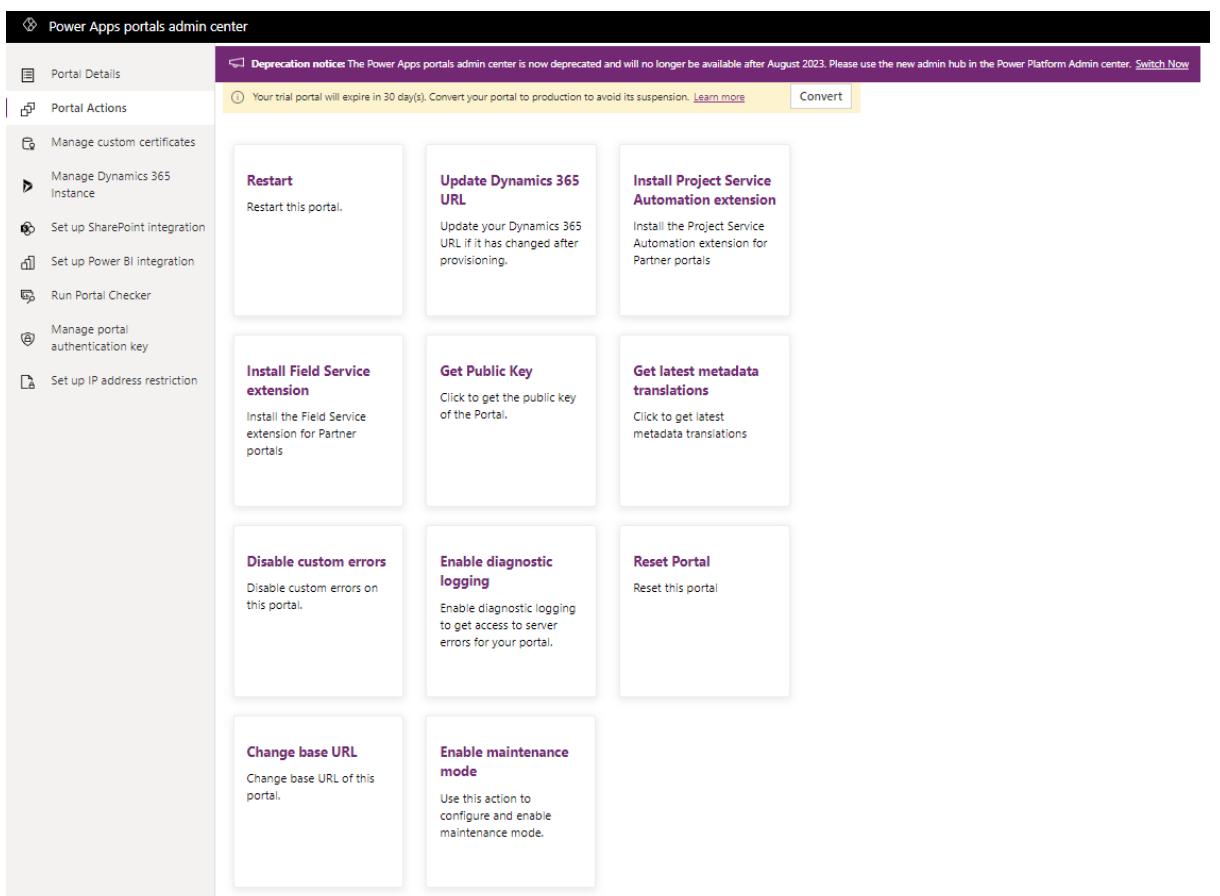
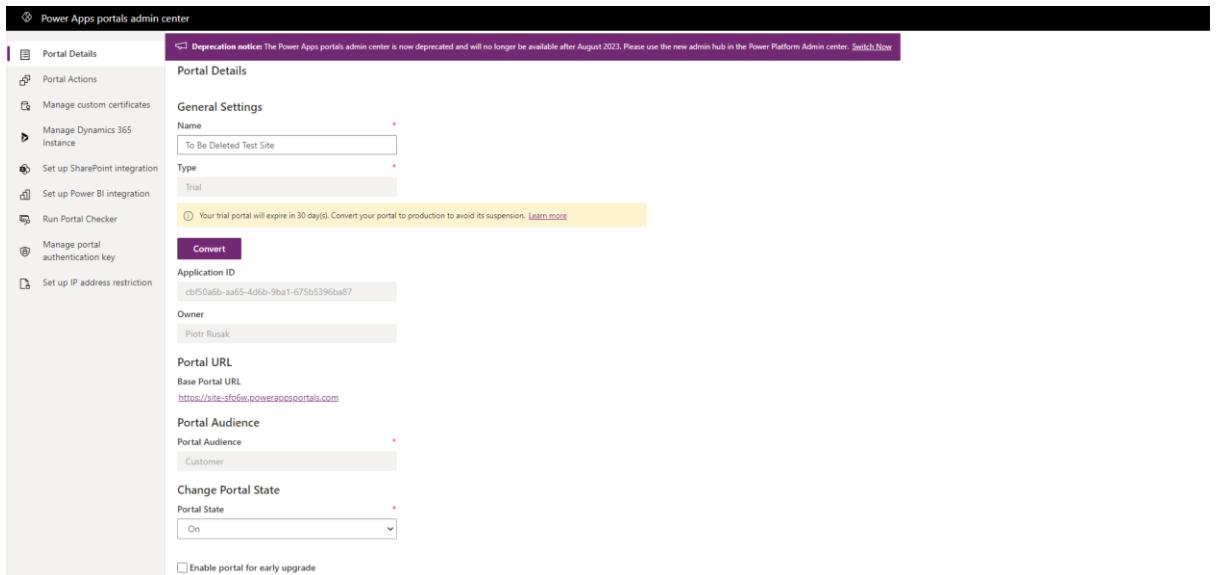
The main content area displays details for a site named "To Be Deleted Test Site". It includes fields for Application Type (Developer Website), Early Upgrade (No), Site Visibility (Private), Site State (On), Application Id, Org URL, and Data Model (Enhanced). There are also sections for Site Health, Security, Performance & Protection, and Services.

- (1) **Update Dynamics 365 URL** – if you updated your [environment URL](#), the Update Dynamics 365 URL action will update your site to point to the updated environment URL.
- (2) **Metadata translations** – see [Import metadata translation](#)
- (3) **Install Field Service Extension** – see [Integrate Field Service](#)
- (4) **Install Project Service Extension** – see [Integrate Project Service Automation](#)

More details here: <https://learn.microsoft.com/en-us/power-pages/admin/admin-overview#site-actions->

5) Switch to Classic option – redirects you to old version of Admin Center

This screenshot is identical to the one above, but the "Switch To Classic" button in the top navigation bar is highlighted with a yellow box, indicating it's the selected option.



All actions available in old Admin Center should be available in new Admin Center

6) Site Details section

The screenshot shows the 'Site Details' section with the following numbered elements:

- (1)** Title / Display Name of the Website: To Be Deleted Test Site
- (2)** URL of the website: https://site-sfo6w.powerappsportals.com
- (3)** Connect Custom Domain
- (4)** Convert To Production
- (5)** See All
- (6)** Edit
- (7)** Application Type: Developer Website
- (8)** Site State: On
- (9)** Data Model: Enhanced
- (10)** Early Upgrade: No
- (11)** Application Id: cbf50a6b-aa65-4d6b-9ba1-675b5396...
- (12)** Site Visibility: Private
- (13)** Org URL: https://org5f4080e5.crm4.dynamics.co...

- (1) Title / Display Name of the Website
(2) URL of the website – can be changed from here

Edit Site URL

ⓘ Changing the base url of the website will restart it. [Learn More](#)

Site URL

site-sfo6w powerappsportals.com

- (3) Connect to custom domain – can be performed from here (certificate needed) [not available for Developer Websites]

- (4) Convert to production – converting Developer website to Production website

Convert trial to production

ⓘ Improve performance of your site using content delivery network No

When enabled, the content delivery network stores your site files in servers across multiple geographical locations and delivers the files from the server closest to your site visitors. [Learn More](#)

This action will convert your trial portal to production. Are you sure you want to continue?

By clicking on confirm, you agree to the [Terms of Service](#), [Privacy Statement](#)

Confirm

Cancel

(5) See All - Site details displayed in right hand side panel

Site Details ×

Site Name
To Be Deleted Test Site

Site URL
<https://site-sfo6w.powerappsportals.com>

Audience
Customer

Site Visibility
Private

Owner
Piotr Rusak

Application Type
Developer Website

Early Upgrade
No

Site State
On

Application Id
cbf50a6b-aa65-4d6b-9ba1-675b5396ba87

Org URL
<https://org5f4080e5.crm4.dynamics.com/>

Data Model
Enhanced

Close

(6) Edit – editing 4 possible properties for website: Site Name | Website Binding | Access for Early Upgrade | Site Url

Edit Details ×

Site Name * To Be Deleted Test Site

Website Record To Be Deleted Test Site - site-sfo6w

Enable Portal For Early Upgrade

Site URL https://site-sfo6w.powerappsportals.com

Audience
Customer

Site Visibility
Private

Site State
On

Owner
Piotr Rusak

Application Type
Developer Website

Application Id
cbf50a6b-aa65-4d6b-9ba1-675b5396ba87

Org URL
<https://org5f4080e5.crm4.dynamics.com/>

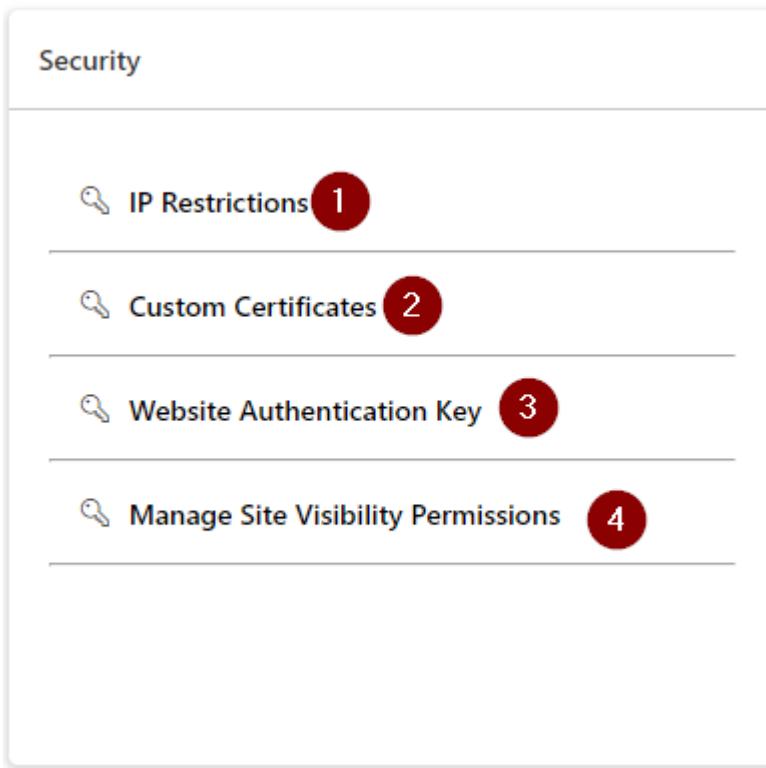
Data Model
Enhanced

Save Cancel

- (7) Info: Application Type – in our case Developer Website
- (8) Info: Site State – can be On / Off
- (9) Info: Data Model – can be either Enhanced (V2) OR Standard (V1)
- (10) Info: Early Upgrade – yes or no
- (11) Info: Application Id – guid
- (12) Info: Site Visibility – Private or Public
- (13) Info: Org URL – Dynamics 365 organization URL

More details here: <https://learn.microsoft.com/en-us/power-pages/admin/admin-overview#site-details>

7) Security section



- (1) IP Restrictions – if you specify list of IP address this will create whitelist of all public IP addresses that can reach website (if list is empty website is open to all IP addresses)
- (2) Custom Certificates – if your custom code requires usage of OAuth 2.0 Implicit Grant flow here you can upload PFX certificate to make this process more secure (advanced topic!)
- (3) Website Authentication Key – controls certificate that makes secure integration between Azure Web Host and Dataverse (see App Registrations mentioned in Part 1 of this Lab 003)
- (4) Manage Site Visibility Permissions – control who can change Website visibility (you can pick Azure AD / Entra ID Security groups here)

More details here: <https://learn.microsoft.com/en-us/power-pages/admin/admin-overview#security>

8) Performance & Protection section

Performance & Protection

(i) Convert your website to production to enable this feature [Learn More](#)

When enabled, the content delivery network stores your site files in servers across multiple geographical locations and delivers the files from the server closest to your site visitors. [Learn more](#)

 Content Delivery Network 1 No

 Web Application Firewall 2 No

All actions in this section are disabled if you are working with Developer Website

- (1) CDN – content delivery network integration (self-explanatory) (make website super performant – for globally dispersed audience)
- (2) WAF – web application firewall (secures web site against some potential threats – like DDoS attacks)

9) Site Health section

Site Checker – available – you can run it anytime.

This checker will warn you about potential mis-configurations / discovered threats or settings causing website poor performance.

It is really worth running this checker and cleaning all errors + warnings before going live with website.

Site Health

 Site Checker

Welcome to the Dynamics 365 Portal diagnostics
Please click on Run to get started [Learn more](#)

10) Services section

Services

When enabled, your data will be shared to the respective services. [Learn More](#)

 Power BI Visualization	1	<input checked="" type="checkbox"/>	No
 Power BI Embedded Service	2	<input checked="" type="checkbox"/>	No
 SharePoint Integration	3	<input checked="" type="checkbox"/>	No

(1) Power BI Visualization – enabling service

Enable Power BI Visualization ×

This action will enable Power BI visualization through Liquid tag. Website will be restarted and it will be unavailable for a few minutes.

By enabling this command, you consent to share your data with Power BI service. Please consult the feature technical documentation if you want more information. [Learn More](#)

Enable

Cancel

(2) Power BI Embedded Service - enabling service

Enable Power BI embedded service ×

When enabled, your site will be connected to Power BI embedded service. During the enabling process, the website will not be available to site visitors for a few minutes.

Enable

Cancel

(3) SharePoint Integration – enabling service

Enable SharePoint integration ×

To enable communication between this site and SharePoint, please complete the set up by following the steps in the [documentation](#)

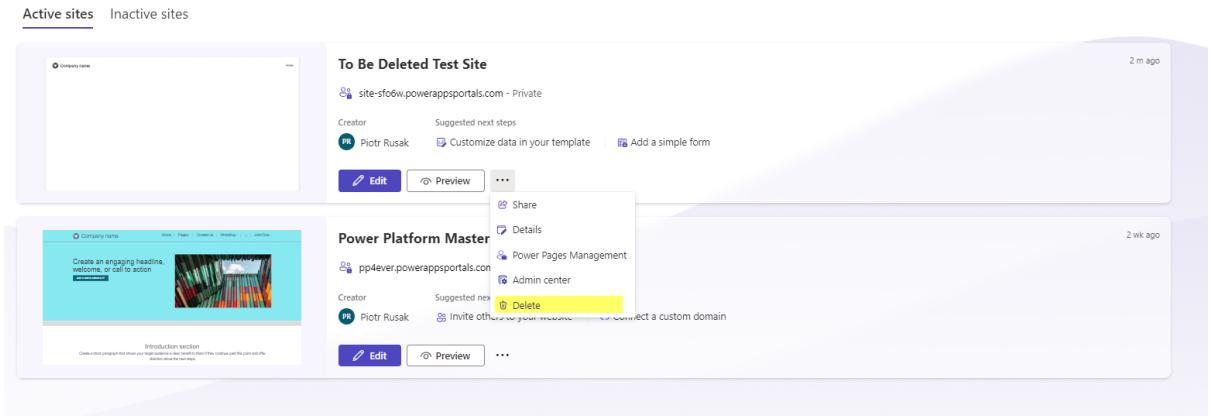
During this process, the website will not be available to site visitors for a few minutes.

Enable

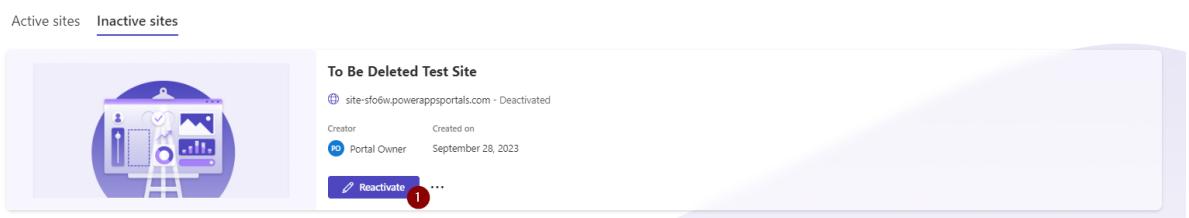
Cancel

Part 3 – Cleaning up Website created in Part 1

- 1) Now it is time to cleanup Website created in Part 1 with Site Name: “**To Be Deleted Test Site**”
- 2) Go to Power Pages Design Studio home page and click Delete for this website (double confirm your choice)



- 3) Wait a moment and your website should be visible in Inactive sites

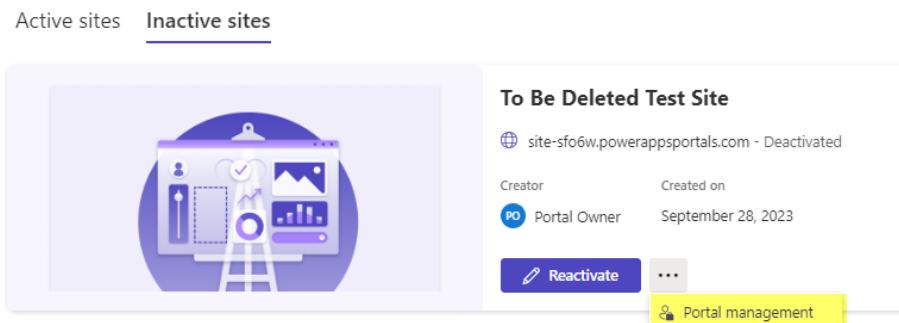


At this stage you can always reactivate your website – this will “resurrect” it and move back to Active sites section (please do not do this during workshop)

Now go to Azure AD / Entra ID App Registration page <https://aad.portal.azure.com> and confirm that your App Registration created in Part 1 of this workshop disappeared (now you know more about Power Pages connection with Azure Web Host)

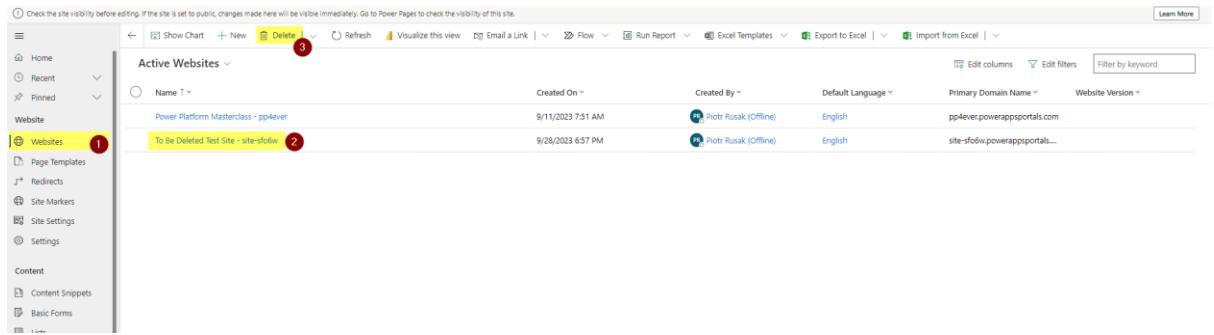
- 4) Next we want to remove our dummy website from Inactive sites section and from our PP Environment Dataverse.
This is quite easy to do (always think twice or even more if you will decide to do following steps)

Go to Power Pages Management Model Driven app for PP Environment.



Locate Websites section and select this.

You should see something like this:



Name	Created On	Created By	Default Language	Primary Domain Name	Website Version
Power Platform Masterclass - pp4ever	9/11/2023 7:51 AM	Piotr Rusak (Offline)	English	pp4ever.powerappspartners.com	
To Be Deleted Test Site - site-sf06w	9/28/2023 6:57 PM	Piotr Rusak (Offline)	English	site-sf06w.powerappspartners...	

Locate Website “**To Be Deleted Test Site**” in this view

Select this one and press Delete + confirm this operation in modal dialog

Because this Dataverse record is related with all child tables with Parental relationship – when parent will be deleted all child records will also be deleted in cascade.

This proves we just removed all entries connected with our dummy website.

Again: Be careful with this kind of operation. It is easy to perform – almost impossible to rollback 😞.

Go back to Power Pages Design Studio and do full refresh staying on home page.

Active sites Inactive sites

There are no inactive sites in this environment

Website records stored on your Dataverse can be restored to active websites, but only if the record you choose is not being used by an active site. [Learn more](#)

Our dummy website is no longer stored in Dataverse.