



DYNAMIC BANNER FOR SHAREPOINT

TECHNICAL DOCUMENTATION

Torpedo – Serviços de Informática, Lda.

Torpedo.pt
26/02/2025


	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

TABLE OF CONTENTS

1	DOCUMENT VERSION HISTORY	1
1.1	Version History.....	1
1.2	Distribution.....	1
2	SUMMARIES	3
2.1	Objective	3
2.2	Brief Description of The Product.....	3
3	REQUIREMENTS.....	5
4	INSTALLATION	7
5	WEB PART ADDITION	9
6	WEB PART CONFIGURATION	11


	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

FIGURE INDEX

Figure 1 – Web Part Teaser.....	3
Figure 2 - Add SharePoint App.....	7
Figure 3 - Add .sppkg file to be installed.....	7
Figure 4 - Enable the app to be available to all sites.....	8
Figure 5 - Edit page in SharePoint Online.....	9
Figure 6 - Add one column or full-width section in SharePoint Online.....	9
Figure 7 - Button to add web parts.....	10
Figure 8 - Add Dynamic Banner for SharePoint.....	10
Figure 9 - Edit web part.....	11
Figure 10 - Configure Dynamic Banner for SharePoint.....	11
Figure 12 - Focal point, advanced filters, background fit and height options.....	12
Figure 13 - Focal point adjustment.....	13
Figure 14 - Height adjustment.....	13
Figure 15 - Filter adjustments.....	14
Figure 16 - Vertical and Horizontal alignment, Add overlay options.....	15
Figure 17 - Publish changes.....	15



	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

TABLE INDEX

Table 1 - Name and Document Content	1
Table 2 - Version History	1
Table 3 - Distribution List	1
Table 4 - Allowed permissions levels for using the web part	5
Table 5 - Allowed permissions levels for installing the web part	5

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

1 DOCUMENT VERSION HISTORY

Table 1 - Name and Document Content

DOCUMENT NAME	CONTENT
trpd_spo_dynamicbanner_technicaldocumentation.pdf	Technical Documentation

1.1 VERSION HISTORY


Table 2 - Version History

VERSION HISTORY						
VERSION NO.	AUTHOR	DATE	REVISIONED BY	DATE OF REVISION	APPROVED BY	APPROVAL DATE
1.0.0.0	Francisco Ferreira	23/10/2023	Bruno Teixeira	27/10/2023	Bruno Teixeira	27/10/2023
1.0.0.30	Henrique Serafim	29/01/2024	Bruno Teixeira	30/01/2024	Bruno Teixeira	30/01/2024
1.0.0.31	Francisco Ferreira	25/03/2024	Bruno Teixeira	25/03/2024	Bruno Teixeira	25/03/2024
1.0.0.32	Francisco Ferreira	18/07/2024	Bruno Teixeira	18/07/2024	Bruno Teixeira	18/07/2024
2.0.0	Henrique Serafim	26/02/2025	Henrique Serafim	26/02/2025	Henrique Serafim	26/02/2025


1.2 DISTRIBUTION

Table 3 - Distribution List

NAME	COMPANY	BOARD
trpd_spo_dynamicbanner_technicaldocumentation.pdf	Torpedo.pt	Market Place

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

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	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

2 SUMMARIES

2.1 OBJECTIVE

Web Parts are modules of functionality that you can add to SharePoint Online. These modules are created by development teams and allow adding more functionalities to those already existing from scratch in SharePoint.

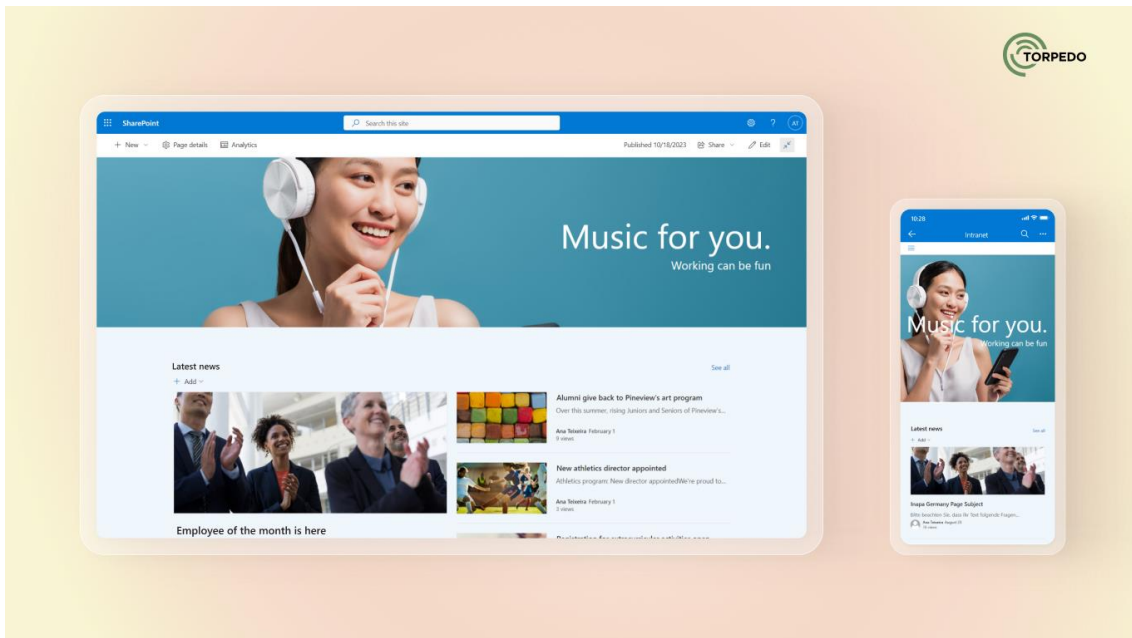



Figure 1 – Web Part Teaser

2.2 BRIEF DESCRIPTION OF THE PRODUCT


Captivate your audience and enhance the visual appeal of your SharePoint site with the **Dynamic Banner for SharePoint**. This versatile tool empowers users to effortlessly incorporate engaging banners featuring background videos or images into their SharePoint pages. With customizable text overlays, alignment options and advanced filters the Dynamic Banner elevates the presentation of essential information while maintaining a sleek and professional aesthetic.

Main features of the web part:

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

- **Dynamic Multimedia Integration:** Seamlessly integrate background videos or images to create visually stunning banners that captivate attention and enhance user engagement.
- **Customizable Text Overlays:** Add text overlays to your banner with ease. Tailor the text size, color, and alignment to suit your content and design preferences, ensuring optimal readability and visual coherence.
- **Adjustable filters and Height:** Now featuring integrated filter adjustments and customizable height settings. Effortlessly fine-tune brightness, contrast, saturation and others and modify banner height directly within the web part to achieve the perfect balance between visibility and aesthetics, ensuring your content stands out without overpowering the page.

With the **Dynamic Banner for SharePoint**, users can effortlessly create visually striking banners that seamlessly integrate multimedia elements and customizable text overlays. Elevate the presentation of essential information, announcements, and more, while maintaining a professional and engaging SharePoint environment. Unlock the power of dynamic design and captivate your audience with every visit.

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

3 REQUIREMENTS

For the correct functioning of the **Dynamic Banner for SharePoint**, the following requirements are necessary:

- Microsoft SharePoint Online;
- Video
- Permission level for using the web part
 - Contributor or higher (permission to add, edit records in SharePoint lists);


PERMISSION LEVEL	ACCESS RIGHTS
Contribute	Add, view, update and delete list items and documents
Edit	Edit, add, and delete lists; view, add and update list items
Full Control	Full control over the site, lists, libraries, and settings

Table 4 - Allowed permissions levels for using the web part


- The permission level for installing the web part
 - Tenant Administrators;
 - Access to the SharePoint Application Center (app catalog) to deploy web parts;

PERMISSION LEVEL	ACCESS RIGHTS
Contribute	Add, view, update and delete list items and documents
Edit	Edit, add, and delete lists; view, add and update list items
Full Control	Full control over the site, lists, libraries, and settings

Table 5 - Allowed permissions levels for installing the web part

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

To know more about permissions on SharePoint Online click [here](#)

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

4 INSTALLATION

The solution consists of a ".sppkg" file that will have to be added to the SharePoint Online Tenant's AppCatalog through the SharePoint Application Center.

Using a Tenant administrator account, access the SharePoint Online [application catalog](#).



Figure 2 - Add SharePoint App

Add the .sppkg file to be installed.

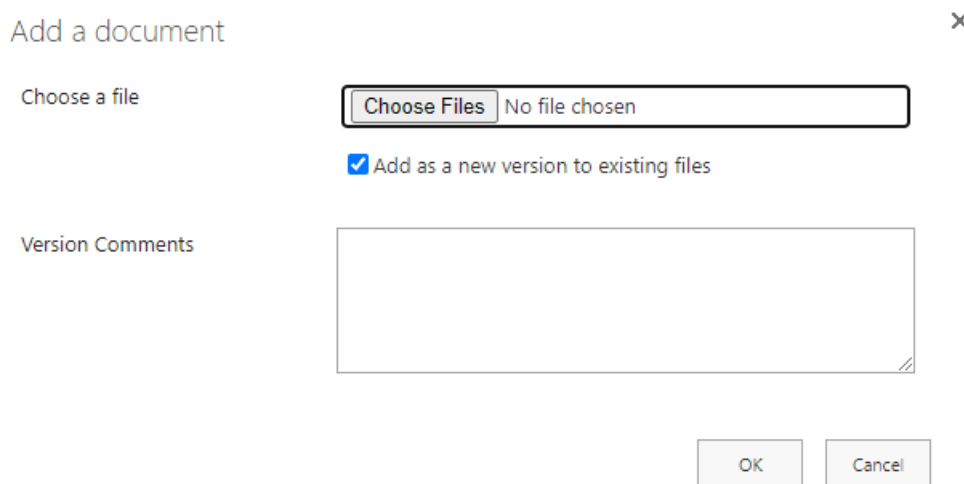



Figure 3 - Add .sppkg file to be installed

Enable the application to be available to all sites.

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

Do you trust Dynamic Banner for SharePoint? ×

The client-side solution you are about to deploy contains full trust client side code. The components in the solution can, and usually do, run in full trust, and no resource usage restrictions are placed on them.

This client side solution will get content from the following domains:

SharePoint Online

Make this solution available to all sites in the organization




Dynamic Banner for SharePoint

Deploy

Cancel

Figure 4 - Enable the app to be available to all sites

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

5 WEB PART ADDITION

To add a web part to a SharePoint Online page, you must first edit the page.

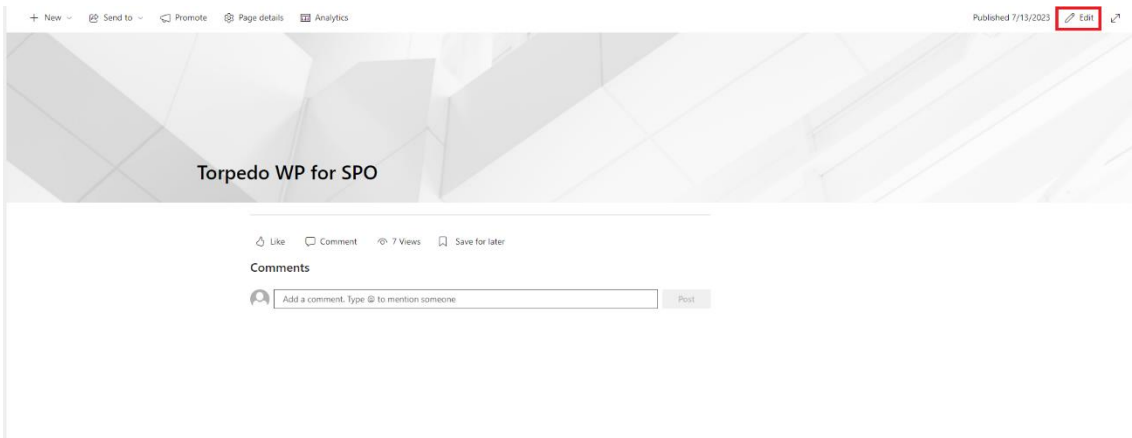


Figure 5 - Edit page in SharePoint Online

After editing the page it's possible to change sections, add or remove web parts. Add a one-column section or full-width section as shown in the following figure.

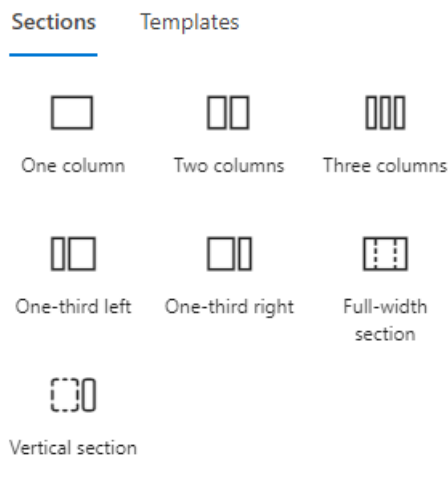



Figure 6 - Add one column or full-width section in SharePoint Online

After adding the section, it's possible to include the **Dynamic Banner for SharePoint** within it.

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

Still in page editing mode in SharePoint Online, it is possible to add web parts by clicking on the + button that appears in each section zone, as shown in the figure below.




Figure 7 - Button to add web parts

A popup will appear with all the web parts available for use in SharePoint Online. To add the **Dynamic Banner for SharePoint**, you can scroll through the list of options or filter the results by searching. Click on the web part to add it to the page.



Figure 8 - Add Dynamic Banner for SharePoint

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

6 WEB PART CONFIGURATION

To configure the web part, click on the option to edit the web part.

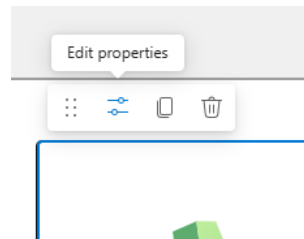


Figure 9 - Edit web part

Next, a right-side panel will appear with all configurable properties for the web part.

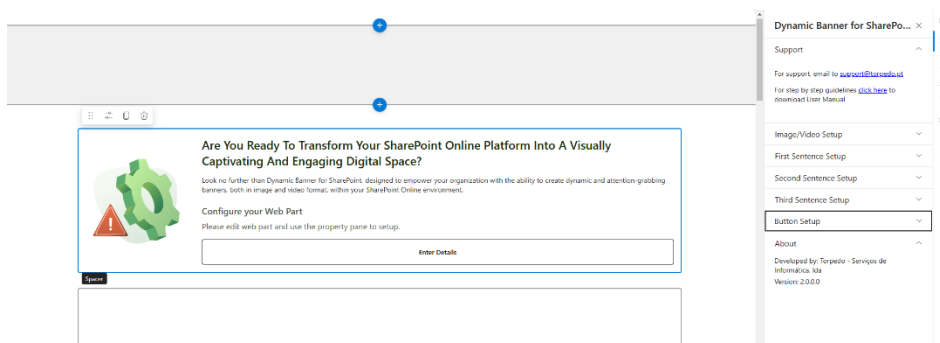



Figure 10 - Configure Dynamic Banner for SharePoint

The web part properties panel is divided into five large groups: **Image/Video Setup**, **First Sentence Setup**, **Second Sentence Setup**, **Third Sentence Setup** and **Button Setup**.

In the first group, it is possible to select the desired video or image, the texts container width and add an overlay.

The remaining groups refer to the three sentences and a button that can be placed in the background. These groups allow you to specify the text, color and size.

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

After adding an image to the Dynamic Banner web part, you can directly configure several options to enhance its appearance and functionality:

- **Height Adjustment:** Modify the banner's height to fit your design requirements by grabbing the height icon at the bottom of the image.
- **Background Fit:** Choose how the image fits within the banner area:
 - **Cover:** The image scales to cover the entire banner, possibly cropping parts of it.
 - **Fill:** The image stretches to fill the banner, which may distort its aspect ratio.
 - **Contain:** The image scales to fit within the banner without cropping or distortion, leaving empty space if the aspect ratio doesn't match.
- **Focal Point:** Set the focal point to ensure the most important part of the image remains visible, especially when the image is cropped.
- **Filter Adjustments:** Apply filters to adjust the image's brightness, contrast, or other visual settings to align with your site's aesthetics.

These configurations allow you to tailor the banner's visual presentation directly within the web part, ensuring it complements your SharePoint site's design and effectively highlights your content.

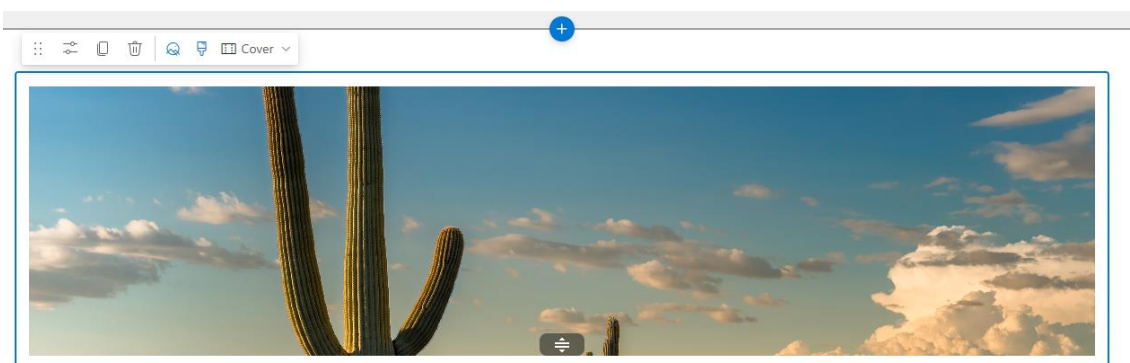


Figure 11 - Focal point, advanced filters, background fit and height options

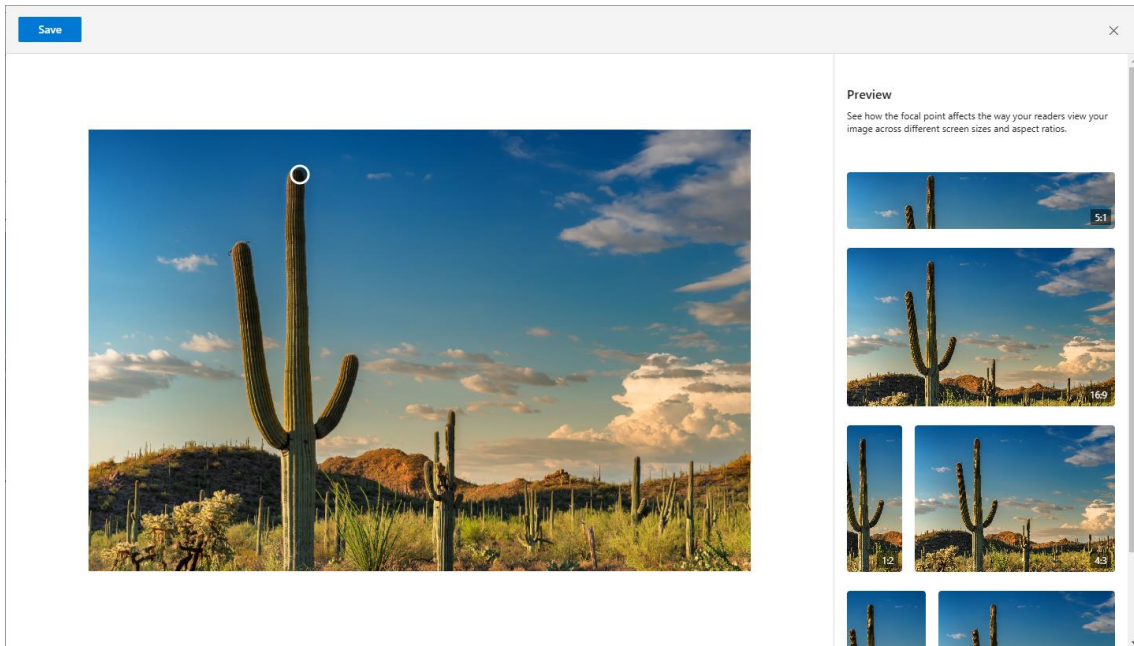


Figure 12 - Focal point adjustment

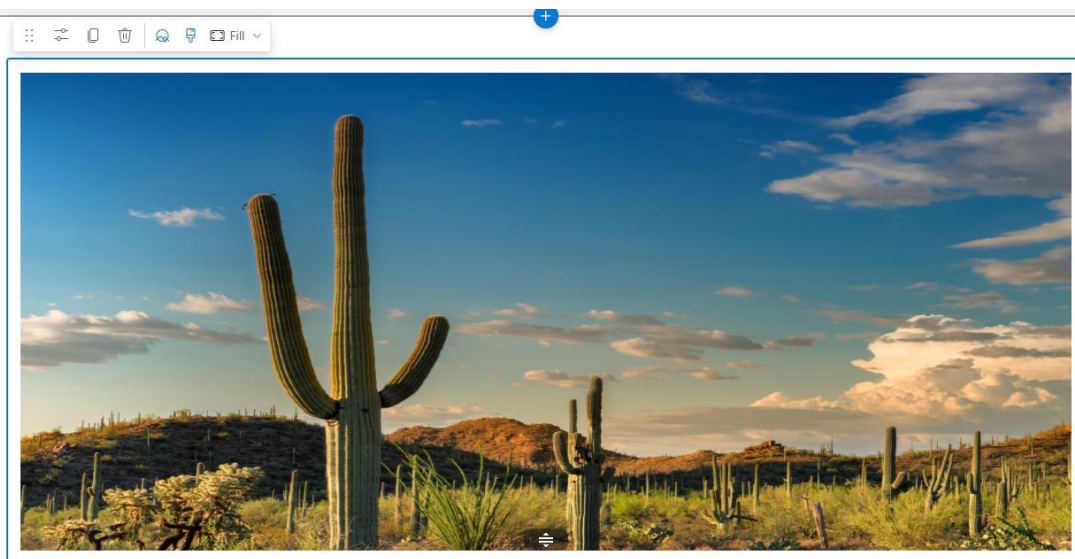



Figure 13 - Height adjustment

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

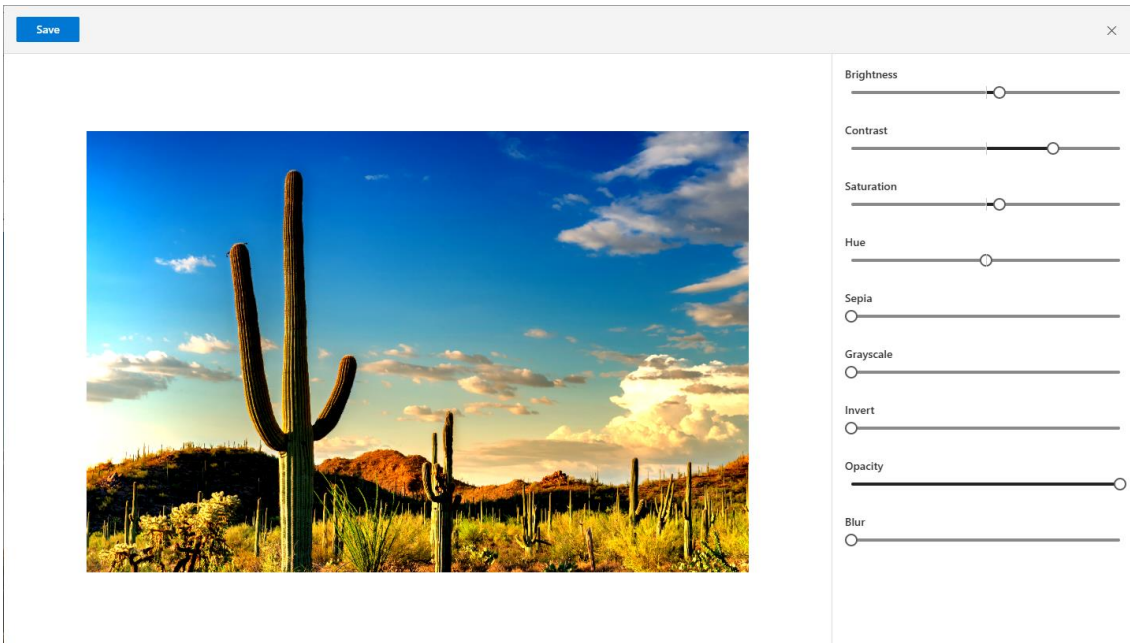



Figure 14 - Filter adjustments

After adding a sentence to the Dynamic Banner web part, you can enhance its presentation with the following options:

- **Text Alignment:** Adjust the horizontal and vertical positioning of your text, directly in the webpart, to ensure it aligns perfectly within the banner, enhancing readability and visual appeal.
- **Overlay Addition:** Incorporate an overlay through the "Image/Video Setup" group to provide a contrasting background, making your text stand out more prominently.

These features allow for a tailored and engaging banner that aligns with your SharePoint site's design and effectively highlights your content.

	TECHNICAL DOCUMENTATION	Date: 26/02/2025
		Revision No.: 2.0.0

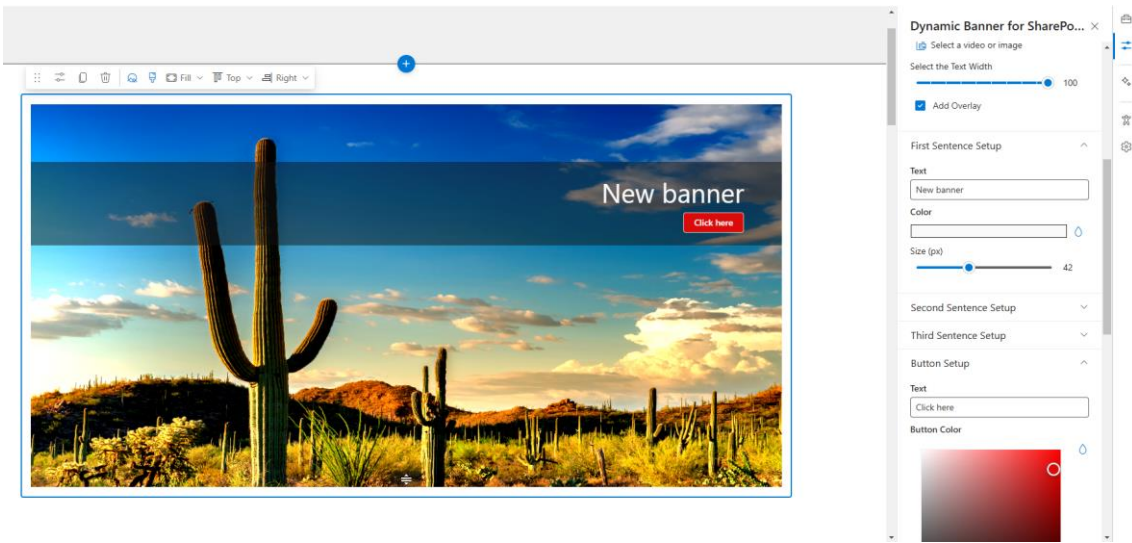


Figure 15 - Vertical and Horizontal alignment, Add overlay options

Once the web part is configured and after pressing the republish button, the web part will be rendered like the image below. You can view the banner with a background video or image, text and a button aligned on top right with an overlay.

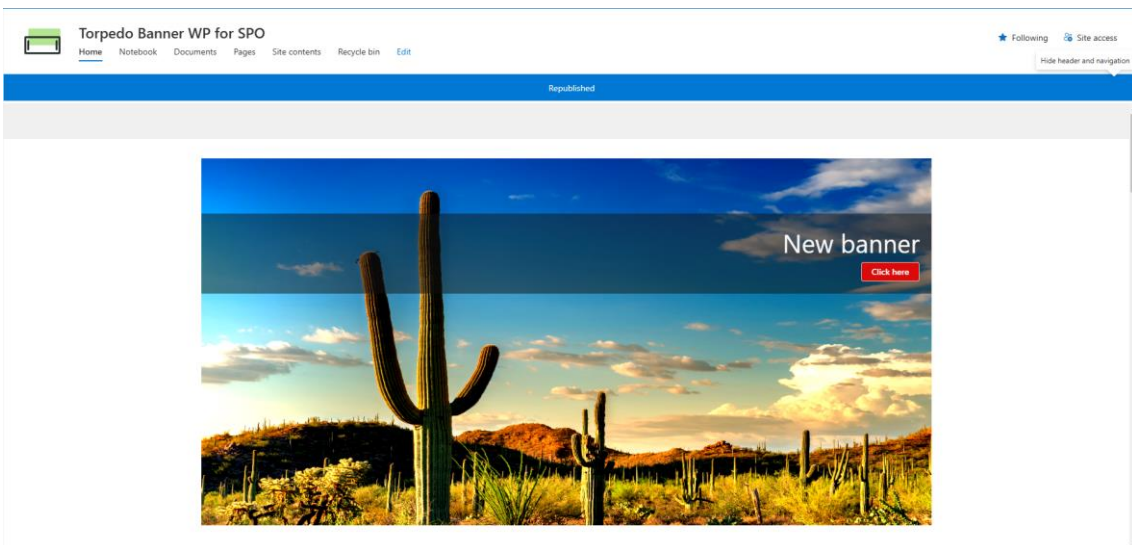


Figure 16 - Publish changes