




BREAKING NEWS: A WEB PART FOR SHAREPOINT

TECHNICAL DOCUMENTATION

Torpedo – Serviços de Informática, Lda.

Torpedo.pt
12/08/2024

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1 DOCUMENT VERSION HISTORY

Table 1 - Name and Document Content

DOCUMENT NAME	CONTENT
trpd_spo_breakingnews_technicaldocumentation.pdf	Technical Documentation

1.1 VERSION HISTORY


Table 2 - Version History

VERSION HISTORY						
VERSION N°.	AUTHOR	DATE	REVISIONE D BY	DATE OF REVISION	APPROVED BY	APPROVAL DATE
1.0.0.0	Francisco Ferreira	27/10/2023	Bruno Teixeira	13/11/2023	Bruno Teixeira	13/11/2023
1.0.0.20	Francisco Ferreira	29/01/2024	Bruno Teixeira	29/01/2024	Bruno Teixeira	29/01/2024
1.0.0.22	Francisco Ferreira	08/02/2024	Bruno Teixeira	08/02/2024	Bruno Teixeira	08/02/2024
1.0.0.23	Francisco Ferreira	15/03/2024	Bruno Teixeira	15/03/2024	Bruno Teixeira	15/03/2024
1.0.0.24	Francisco Ferreira	25/03/2024	Bruno Teixeira	25/03/2024	Bruno Teixeira	25/03/2024
1.1.0.0	Francisco Ferreira	12/08/2024	Bruno Teixeira	12/08/2024	Bruno Teixeira	12/08/2024


1.2 DISTRIBUTION

Table 3 - Distribution List

NAME	COMPANY	BOARD
trpd_spo_breakingnews_technicaldocumentation.pdf	Torpedo.pt	Marketplace

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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. The web parts are delivered in a package format (files with '.sppkg' extension), allowing to install several web parts in the customer's SharePoint Online tenant.

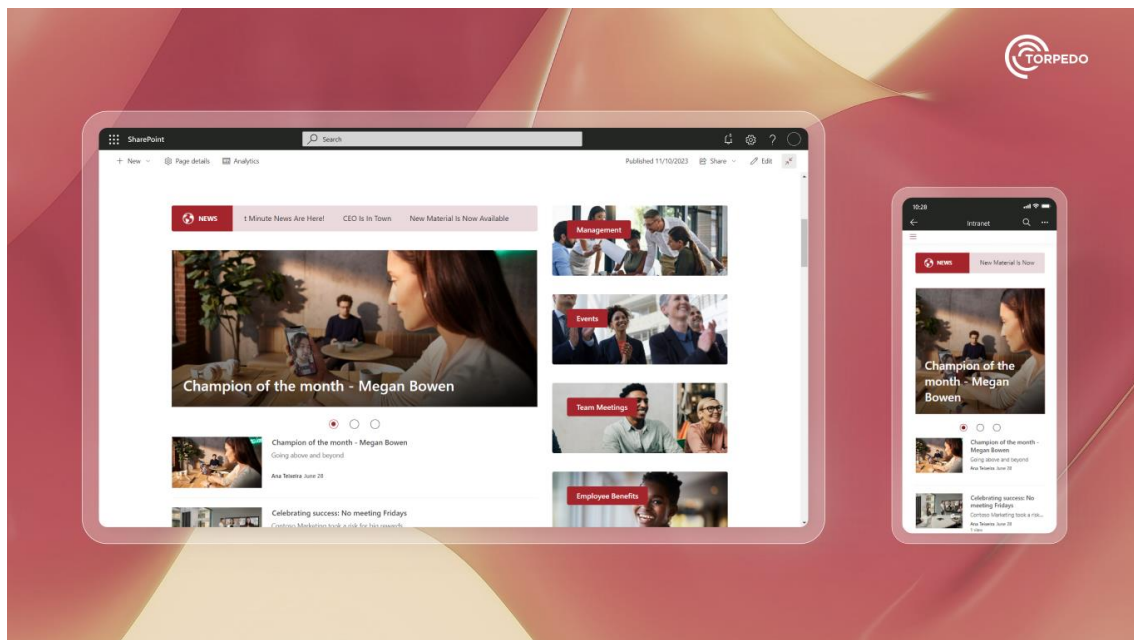



Figure 1 – Web Part Teaser

2.2 BRIEF DESCRIPTION OF THE PRODUCT


The **Breaking News**: a web part for SharePoint is a powerful tool to keep your audience informed and engaged with the latest news and updates from your organization. This versatile web part allows you to display items from a list, document library, or page library in a highly customizable slider.

Main features of the web part:

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- **Dynamic Highlight Slider:** Showcase your chosen items in a dynamic slider, enabling you to highlight news, announcements, updates, or any important content in an engaging manner.
- **Flexible Content Source:** Choose from a SharePoint list, document library, or page library as the content source for your slider, offering flexibility to highlight various types of information.
- **Unlimited Customization:** Customize the web part's design to align with your organization's visual identity. Modify colors, fonts, and styles to match your site's aesthetics.
- **Speed Control:** Adjust the slider's speed according to your audience's preferences. You can configure it to scroll faster or slower, ensuring a comfortable reading experience.
- **Custom Label:** Easily change the slider label to suit your page's context, whether you call it "Latest News," "Highlights," "Updates," or any other relevant label.

The **Breaking News: a web part for SharePoint** is a comprehensive solution to keep your audience updated with crucial information. With its flexibility and customization features, you can showcase your organization's most important content attractively and effectively. Keep your community informed and engaged with this powerful web part.

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3 REQUIREMENTS

For the correct functioning of the **Breaking News: a web part for SharePoint**, the following requirements are necessary:

- Microsoft SharePoint Online;
- List, Document Library or Page Library with Title column
- Permission level for using the web part
 - Contributor or higher (permission to add, edit records in SharePoint lists)

Table 4 - Allowed permissions levels for using the web part


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

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


Table 5 - Allowed permissions levels for installing the web part

PERMISSION LEVEL	ACCESS RIGHTS
Full Control	Full control over the site, lists, libraries, and settings

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

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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.

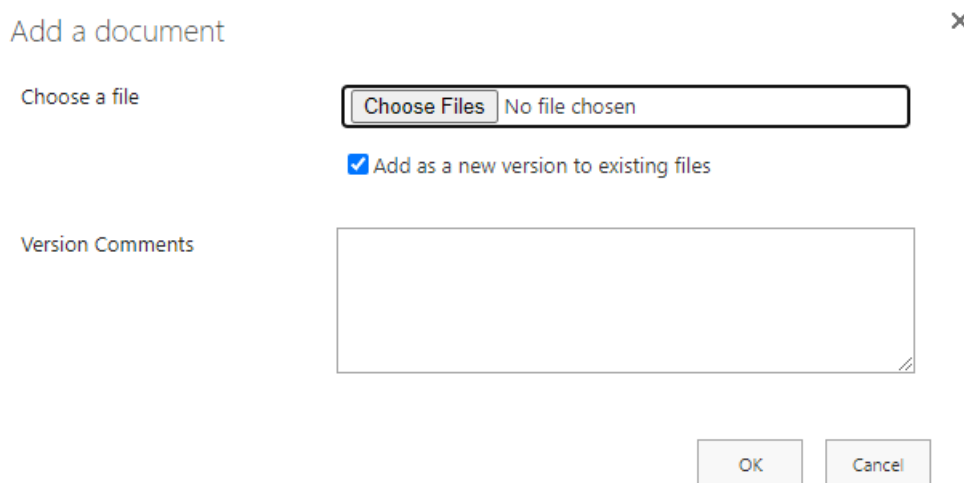



Figure 3 - Add ".sppkg" file to be installed

Enable the application to be available to all sites.

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Do you trust Breaking News Web Part 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.



Breaking News Web Part for SharePoint

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

SharePoint Online


Make this solution available to all sites in the organization

If you clear this setting, users won't be able to add the web part to pages. The web part will continue to work if it was already added to pages.

Deploy

Cancel

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

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5 WEB PART ADDITION

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

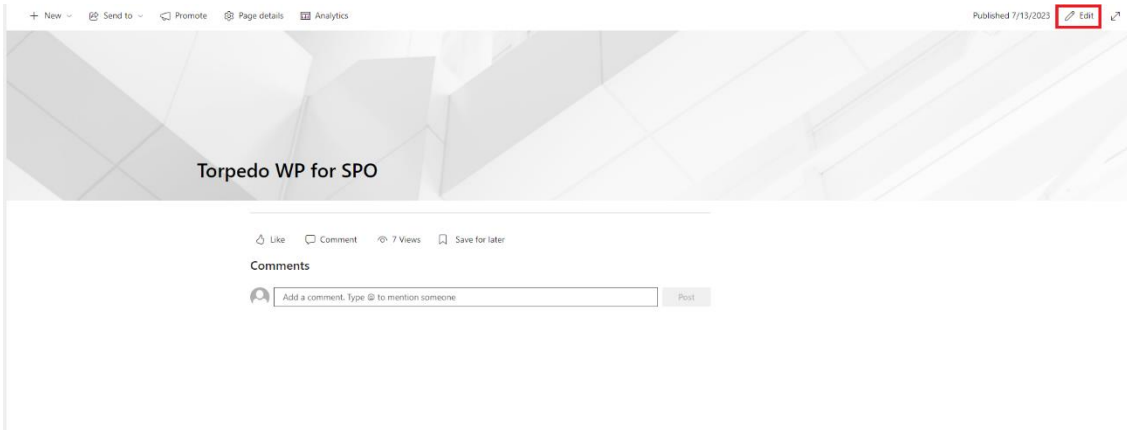


Figure 5 - Edit page in SharePoint Online

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

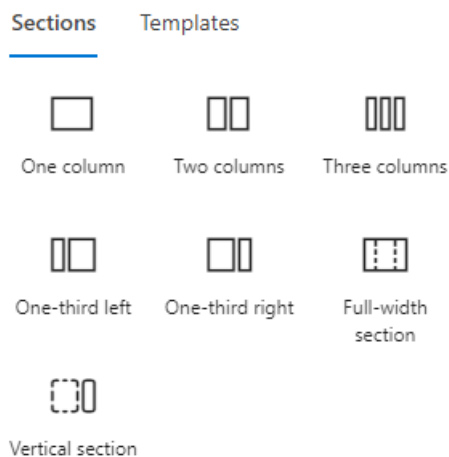



Figure 6 - Add one column section or full-width section in SharePoint Online

After adding the section, it's possible to include the **Breaking News: a web part for SharePoint** within it.

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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 **Breaking News: a web part 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.

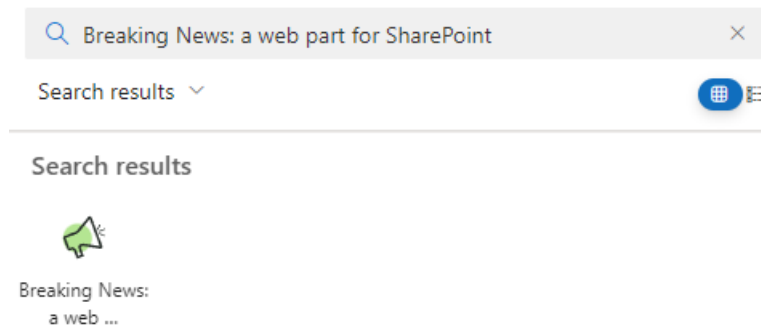



Figure 8 - Add Breaking News: a web part for SharePoint

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6 WEB PART CONFIGURATION

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

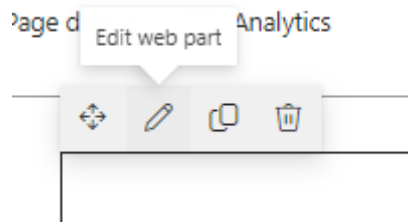


Figure 9 - Edit web part

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

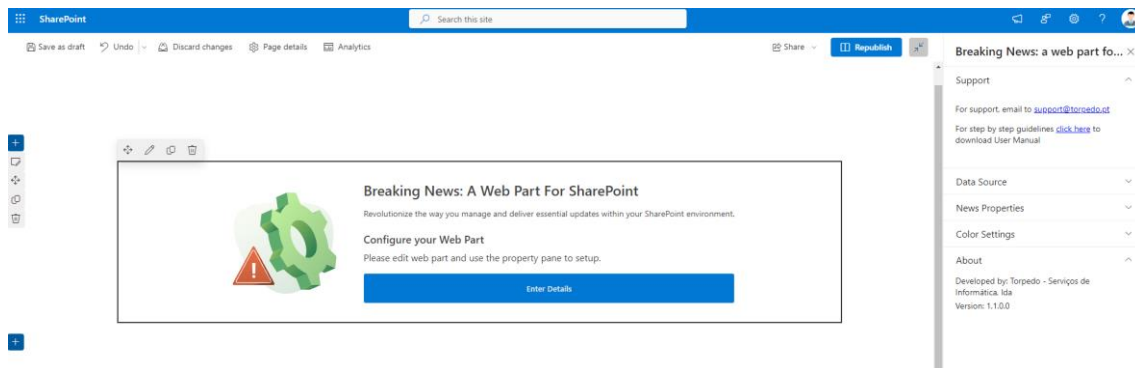



Figure 10 - Configure Breaking News: a web part for SharePoint

The web part properties panel is structured into three large groups: Data Source, News Properties and Color Settings.

Through the **Data Source** panel, you can select the source of the latest news or updates to include in the web part slider. It also allows you to select the "**Link to Item**" option, which will link to the Display Form (in case of List), to the document (Document Library) or to the page (Pages). It is still possible to create a list with dummy data containing all the necessary structure.

Through the **News Properties** group, you can configure the web part title, choose whether to display the title and icon, and set the speed of the news slider.

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Additionally, there are options to customize the text size of the web part, and it is also possible to specify the number of news items you want to render.

Finally, the **Color Settings** panel provides the option to customize the colors of the web part, allowing you to choose a new color for the title text, title background, slider text and slider background. If no color is chosen, the web part will assume the default SharePoint colors.

Once the republish button at the top of the page is pressed, the web part will render looking similar to the one shown below.

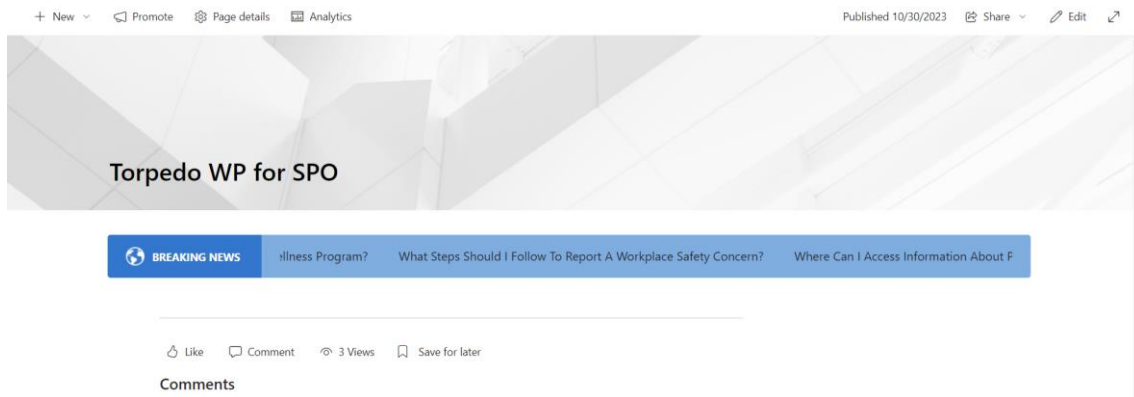


Figure 11 - Breaking News: a web part for SharePoint

It is possible to view a slider of selected news or updates, which when approaching the cursor to an item slows down the slider, allowing interaction with that item.