




TIMELINE WEB PART FOR SHAREPOINT

TECHNICAL DOCUMENTATION

Torpedo – Serviços de Informática, Lda.

Torpedo.pt
19/03/2024

	TECHNICAL DOCUMENTATION	Date: 19/03/2024
		Revision No.: 1.0.0.22

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1 DOCUMENT VERSION HISTORY

Table 1 - Name and Document Content

DOCUMENT NAME	CONTENT
trpd_spo_timeline_technicaldocumentation.pdf	Technical Documentation

1.1 VERSION HISTORY


Table 2 - Version History

VERSION HISTORY						
VERSION N°.	AUTHOR	DATE	REVISIONED BY	DATE OF REVISION	APPROVED BY	APPROVAL DATE
1.0.0.14	Francisco Ferreira	01/02/2024	Bruno Teixeira	01/02/2024	Bruno Teixeira	01/02/2024
1.0.0.15	Francisco Ferreira	07/02/2024	Bruno Teixeira	07/02/2024	Bruno Teixeira	07/02/2024
1.0.0.19	Francisco Ferreira	14/02/2024	Bruno Teixeira	14/02/2024	Bruno Teixeira	14/02/2024
1.0.0.21	Francisco Ferreira	07/03/2024	Bruno Teixeira	07/03/2024	Bruno Teixeira	07/03/2024
1.0.0.22	Francisco Ferreira	19/03/2024	Bruno Teixeira	19/03/2024	Bruno Teixeira	19/03/2024


1.2 DISTRIBUTION

Table 3 - Distribution List

NAME	COMPANY	BOARD
trpd_spo_timeline_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.

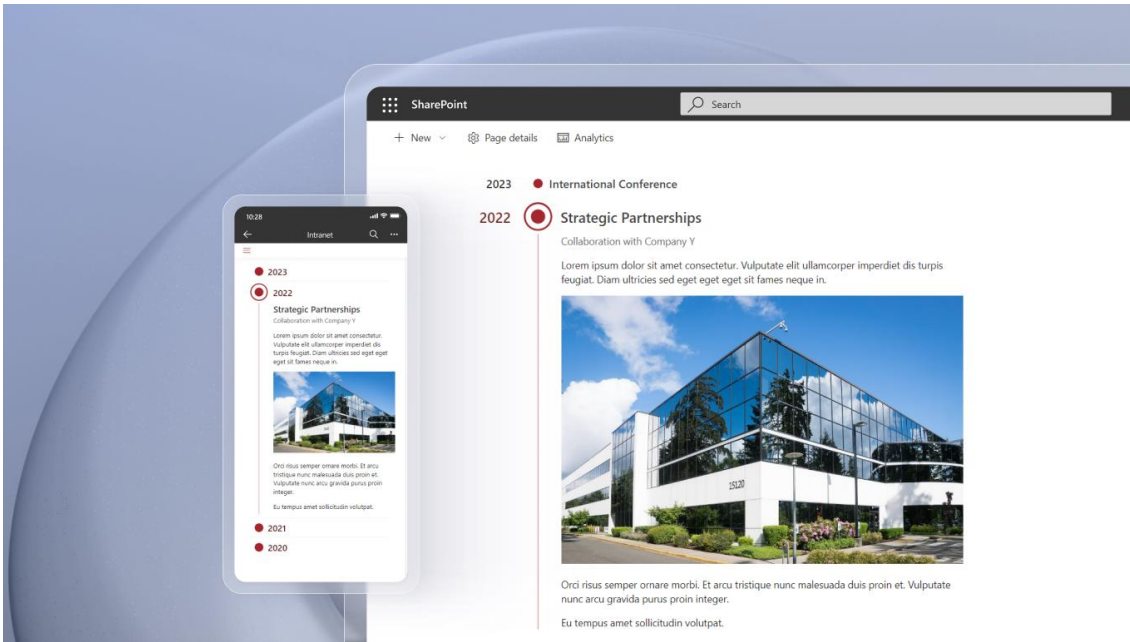



Figure 1 - Web Part Teaser

2.2 BRIEF DESCRIPTION OF THE PRODUCT


Elevate your organizational collaboration with the **Timeline Web Part for SharePoint**. This powerful SPFx web part revolutionizes the way you visualize data in SharePoint Online. With its intuitive timeline format, you can transform mundane lists into compelling narratives, highlighting key events, milestones, and more.

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Main features of the web part:

- **Intuitive Timeline View:** Organize data chronologically for a clear understanding of event evolution.
- **Flexible Customization:** Personalize each event with titles, subtitles, and HTML-rich descriptions. Add formatted text, images, or videos to enrich the user experience.
- **Custom Background Images:** Add unique background images to each event frame for enhanced visual appeal and context.
- **Seamless SharePoint Integration:** Connect effortlessly to your existing SharePoint list, leveraging standard columns for easy data management.
- **Responsive Design:** Enjoy consistent performance across all devices, ensuring accessibility anytime, anywhere.

Empower your team to engage with data like never before, fostering collaboration and driving informed decision-making. Transform your SharePoint experience with the **Timeline Web Part for SharePoint**.

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3 REQUIREMENTS

For the correct functioning of the **Timeline Web Part for SharePoint**, the following requirements are necessary:

- Microsoft SharePoint Online;
- SharePoint Lists
 - Timeline


Table 4 - Timeline list columns and data types

COLUMN	TYPE
Title	Single Line of Text (Required)
Subtitle	Single Line of Text (Required)
Description	Multiple Lines of Text (Required)
Year	Date and Time
Modified	Date and Time
Created	Date and Time
Created By	Person or Group
Modified By	Person or Group

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

Table 5 - 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


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

Table 6 - 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.

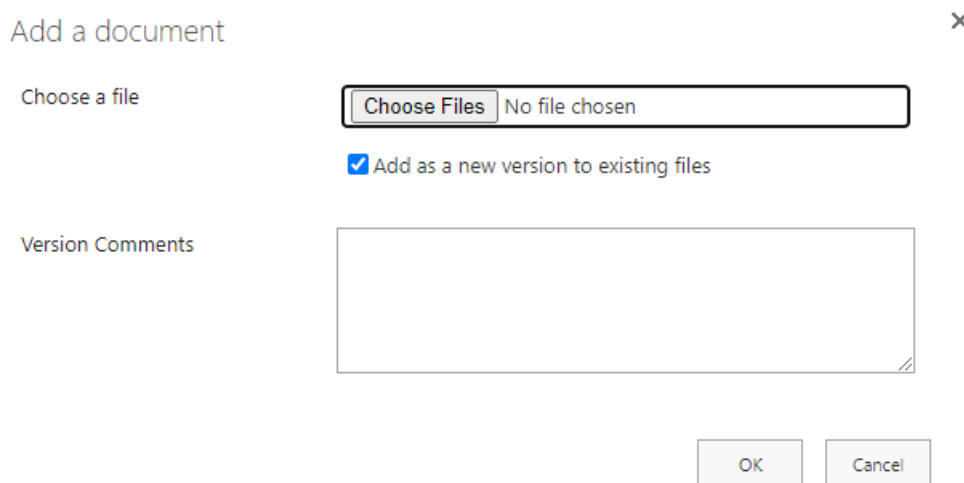



Figure 3 - Add ".sppkg" file to be installed

Enable the application to be available to all sites.

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Do you trust Timeline 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.

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.




Timeline Web Part for SharePoint

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.

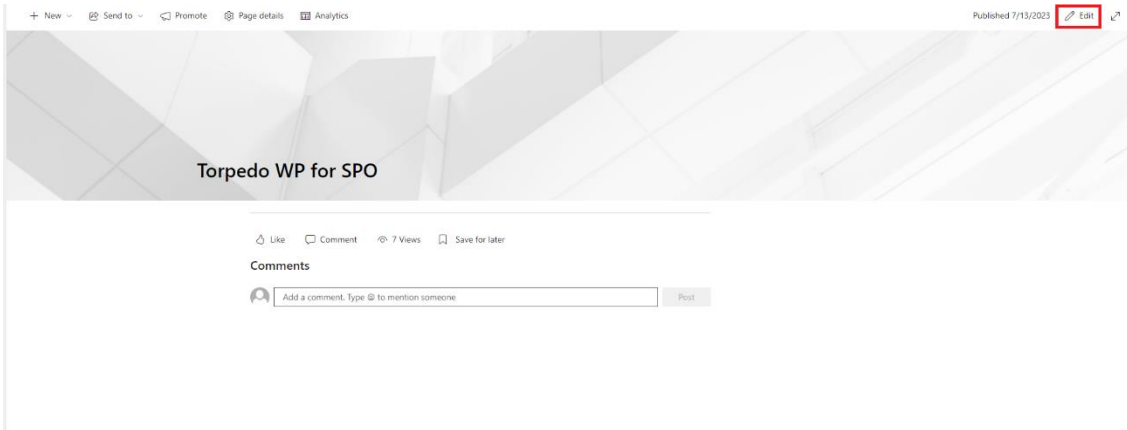


Figure 5 - Edit page in SharePoint Online

After editing the page it's possible to change sections, add or remove web parts. Add one of the available sections as shown in the following image.

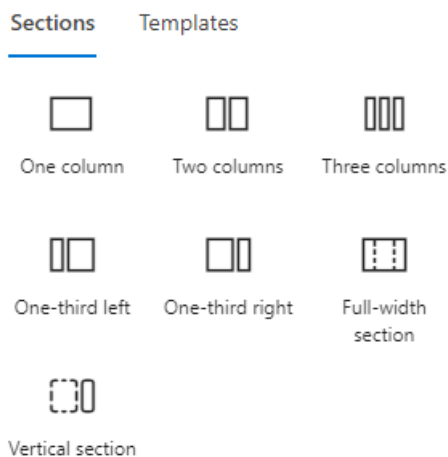



Figure 6 - Add one section in SharePoint Online

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After adding the section, it's possible to include the **Timeline Web Part for SharePoint** within it.

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 **Timeline 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.

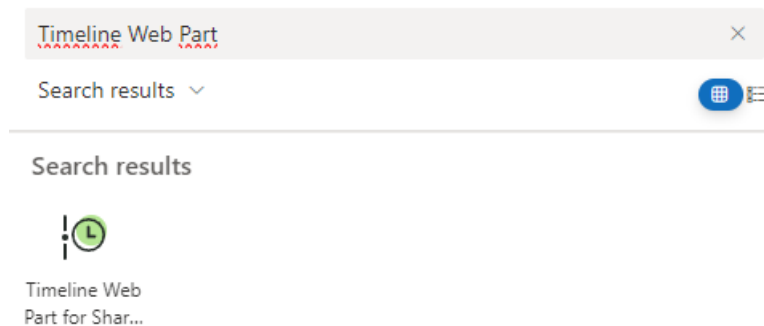



Figure 8 - Add Timeline Web Part for SharePoint

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6 WEB PART CONFIGURATION

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

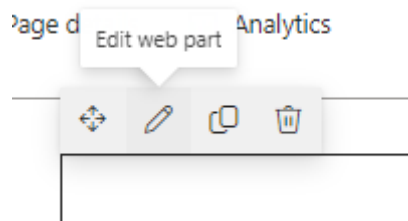


Figure 9 - Edit web part

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

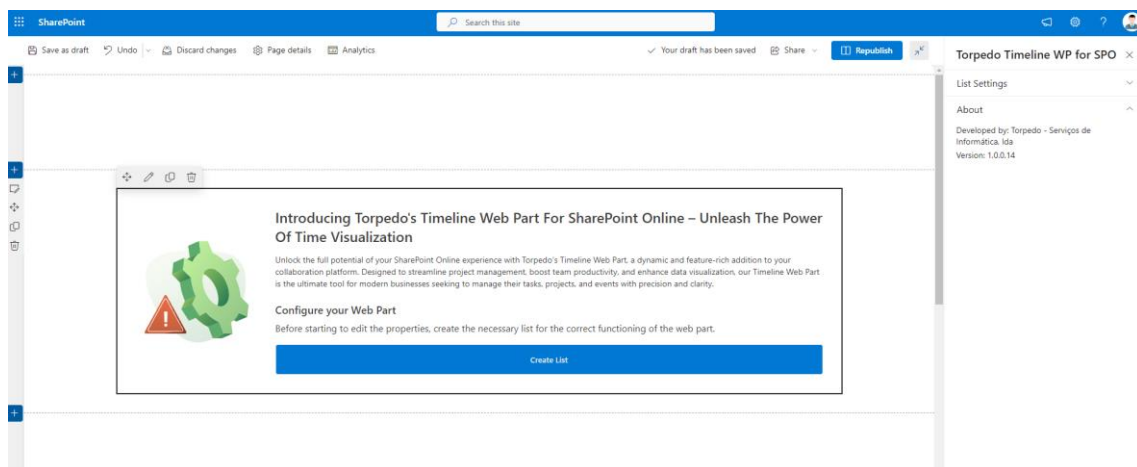



Figure 10 - Configure Timeline Web Part for SharePoint

The web part properties panel consists of only one group: **List Settings**.

Once you add the web part to the page, it will check if there is any list at the current location that meets the requirements of the required list. If not, a button will appear to create the list, and you can choose to create the list or select another list that may be in a different location other than the current one.

Through the **List Settings** group, the user can select the list that contains the timeline items, first choosing the site and then the list. The **Description** column in the **Timeline** list is of rich text type, allowing for the insertion of text with

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advanced formatting such as bold, italics, underline, colors, images, videos, and many other options. Consequently, your timeline becomes highly customizable and can display whatever you desire.

Once the republish button at the top of the page is pressed, the web part will render looking like the one shown below. It is possible to select the various milestones of the timeline and view all the details of each one, while also having an overview of the entire timeline.

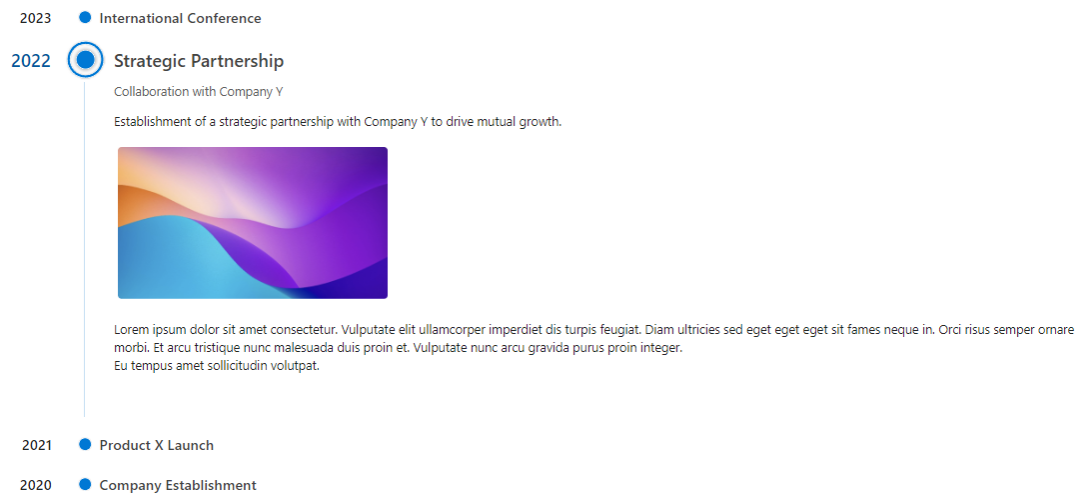


Figure 11 - Timeline Web Part for SharePoint