

Widgets

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This article describes the modular components of Soundbite that can be imported as NPM packages or platform-specific integrations (EG, SharePoint Web Parts).

Background

Soundbite is intended to never be "yet another app" for an organization. While we offer a comprehensive user interface for the entire platform as a standalone web app, we envision most organizations embedding Soundbite into their existing ecosystem using our system of "Widgets", which package up key features of Soundbite into bite-size user experiences.

The currently available widgets include:

Name	Description	Use Case
Feed	Presents the list of available sessions available to the current user. For most users, these are sessions awaiting a listen by the user. For power users, this also includes requests to make a recording to share as a session to others.	General-purpose embedding of the Soundbite experience into hub experience like an intranet homepage for an organization, department, or team. Embedding Soundbite into an app experience like Microsoft Teams.
Series	Shows a list of all recurring Soundbite sessions, where the current user will be periodically requested to make a contribution. This allows for showing the future schedule of the series, plus the ability to delete the series if the current user is an owner on the series.	Embedding Soundbite into app experiences like Microsoft Teams, plus personal profile pages on an intranet or team pages where the owner is likely to visit.
Player	Embeds a single soundbite for users with access to listen.	This is a good companion to other specific content, such as putting a podcast alongside text on a single intranet article.
Session Editor	A dialog that provides the complete creation life-cycle of a Soundbite, including the ability to configure scheduling, recurring, and access control.	Embedding into a Single Page App (SPA) that wishes to offer Soundbite session creation.
Recorder	This records and saves a Soundbite assigned to the current user.	This primarily exists to offer the Soundbite recording capability inside a custom Single Page App (SPA) that wishes to leverage Soundbite for audio interaction.

Widget Integration

The Widgets are integrated by either directly inclusion via front-end code or by utilizing a pre-packaged set of integrations for a specific platform.

NPM Packages

The foundation for integrating with Soundbite - even for our own web app - is using the components offered by our NPM packages. These can be used directly by Soundbite partners to build custom experiences, most easily by importing them into a React-based project. Other UI frameworks can integrate with Soundbite by harnessing the API libraries

Core Libraries

<i>Name</i>	<i>Description</i>	<i>Example Feature</i>
API Libraries	Soundbite platform client SDK, no UI Dependencies such that Node support should be possible in the future	
@soundbite/api	Core package for calling Soundbite API, with no dependency on UI library	Service classes and data model interfaces that mirror the Swagger/OpenAPI definition of the Soundbite HTTP API
@soundbite/api-axios	A lightweight utility for harnessing the popular Axios HTTP client NPM package [2]	AxiosHttpAdapter provides simplified HTTP operations against the Soundbite platform.
UI Libraries	Packages for integration the life-cycle of the browser into the raw capabilities above	
@soundbite/widgets-api	Foundation of code utilities for building up the Soundbite widget packages	WidgetManage class which enables registering and displaying different widget types in iFrames
@soundbite/widgets-react	A React implementation of the core widgets above, providing the core user interface capabilities for first-party Soundbite user interface components.	The FeedWidget provides most of the interactions required by listeners and contributors

Microsoft 365 Components

The following describes how Soundbite integrates directly with Microsoft 365.

SharePoint

The Soundbite widgets (above) are offered by Soundbite as first-party SharePoint Web Parts. These enable easy embedding of the widget capabilities into SharePoint intranet experiences.