for
IBM Connections

Integration Guide

V0 – ACCESS TO A SPECIFIED BOX FOLDER FROM WITHIN IBM CONNECTIONS **3**

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V0 – Access to a specified Box folder from within IBM Connections

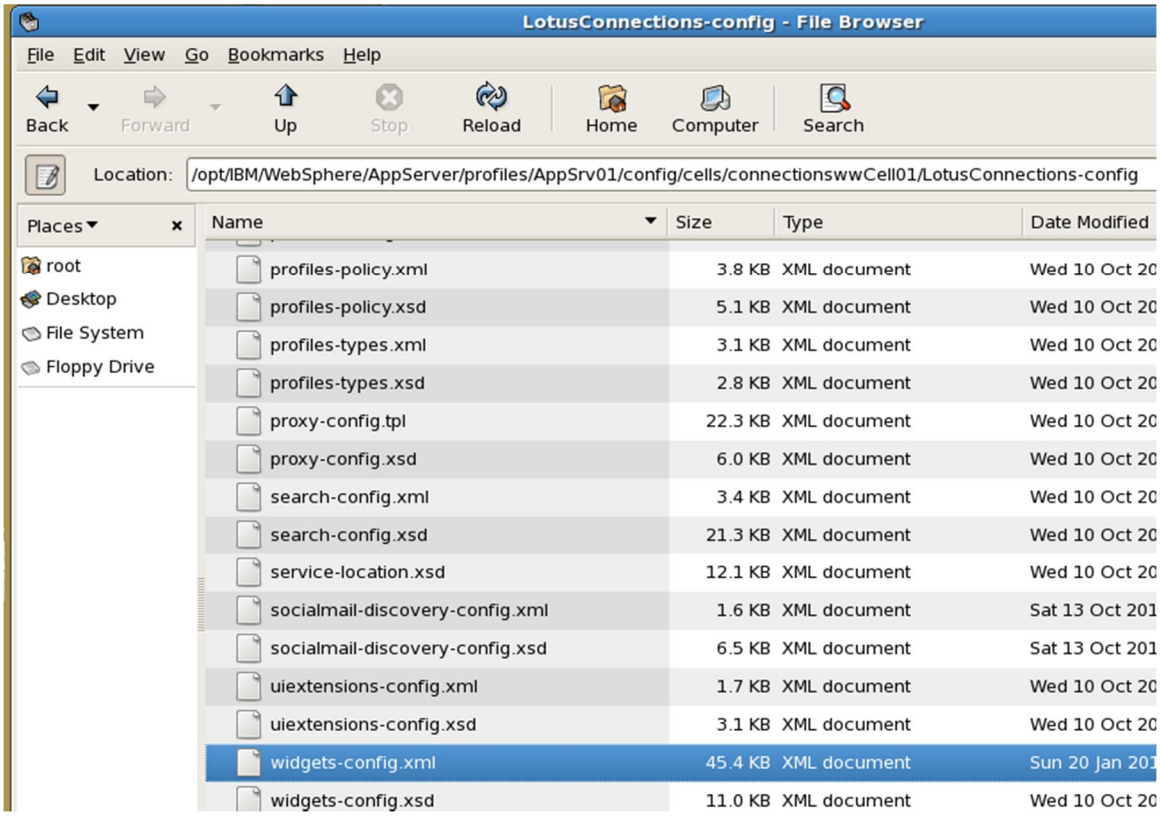
Introduction

This document is designed to help you quickly and easily integrate Box into IBM Connections. If you want to do a deeper integration with Box, our APIs are available at http://developers.box.com.

Installation

Installing the Box for IBM Connections integration can be done by following these steps:

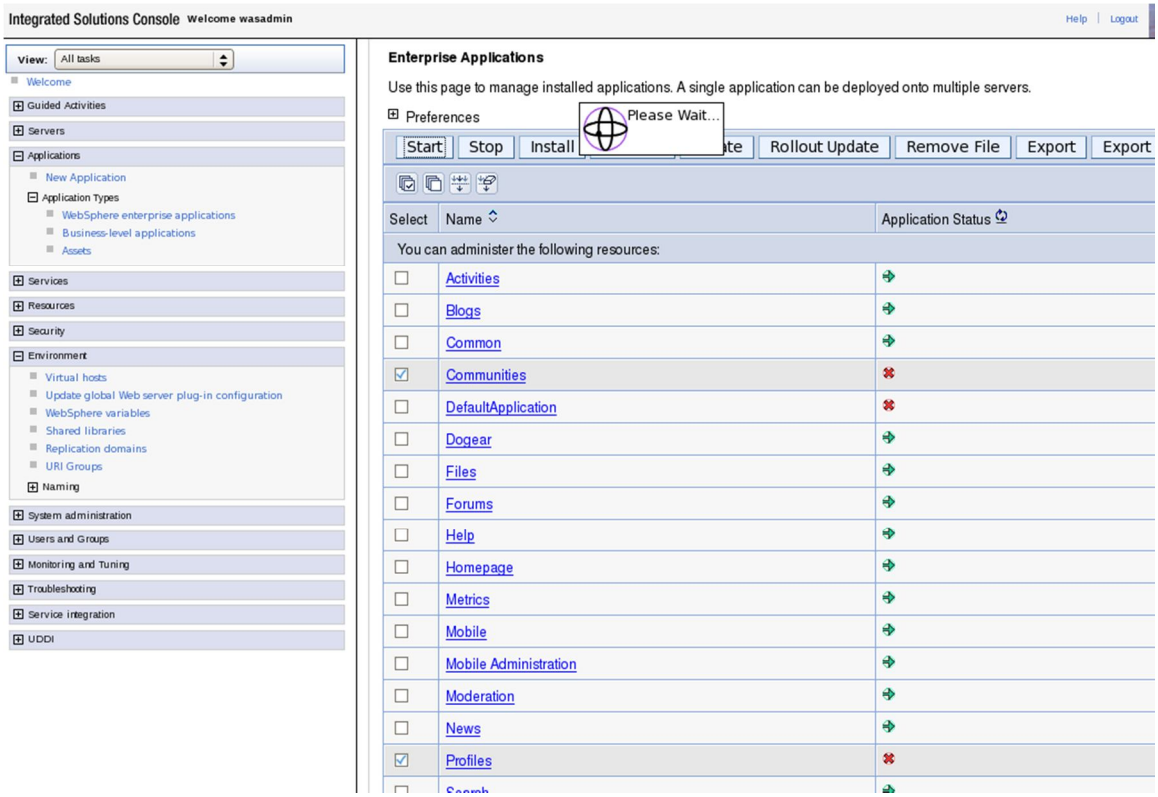
1. Download the JavaScript and widget XML file from https://cloud.box.com/s/1l0rol1lany874ma1fu5
2. Host the box JS and XML files on a server. Note that the JS file requires Dojo to be installed so you may want to simply host it on your IBM HTTP Server: **ex:** ../IBM/HTTPServer/htdocs
3. Next, you'll need to update the widgets-config.xml file. You can use the check-out/check-in system to accomplish this or you can navigate to the widgets-config.xml file directly: **ex:** ../IBM/WebSphere/AppServer/profiles/<application server name>/config/cells/<node name>/LotusConnections-config



4. Add the widget definition to the config file under the community resource tag:

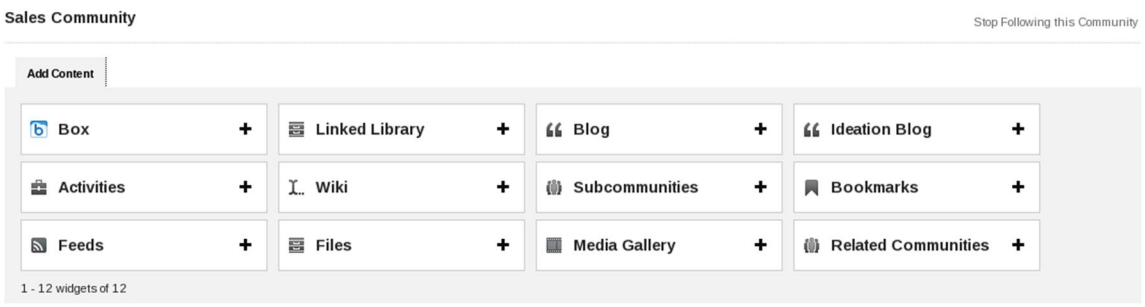
   <widgetDef defId="Box" primaryWidget="true" modes="view edit" description="Widget to allow a community access and sharing to external parties via Box" iconURL="http://box.com/favicon.ico" url="http://connectionsww.demos.ibm.com/boxWidget.xml" helpLink="http://support.box.com"/>

5. From WebSphere restart Profiles and Communities applications from your Connections Server

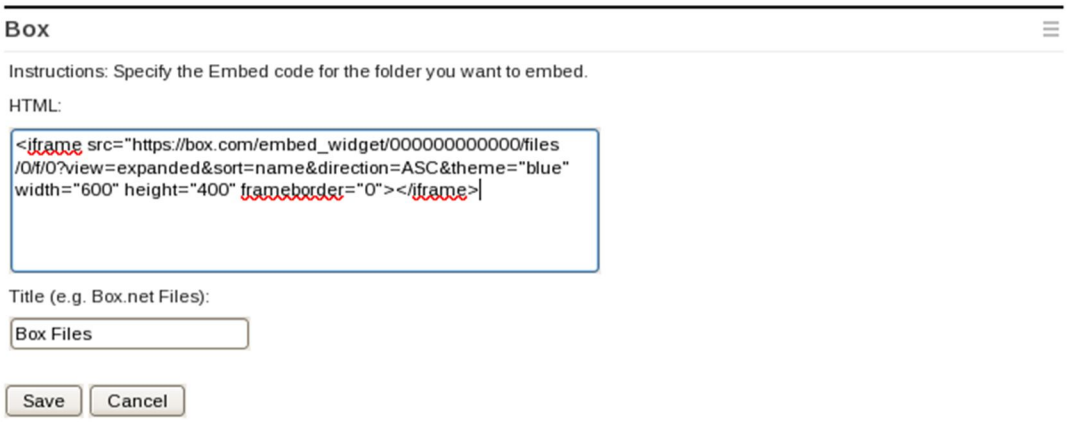


6. Navigate to your community and under Community Actions select Customize

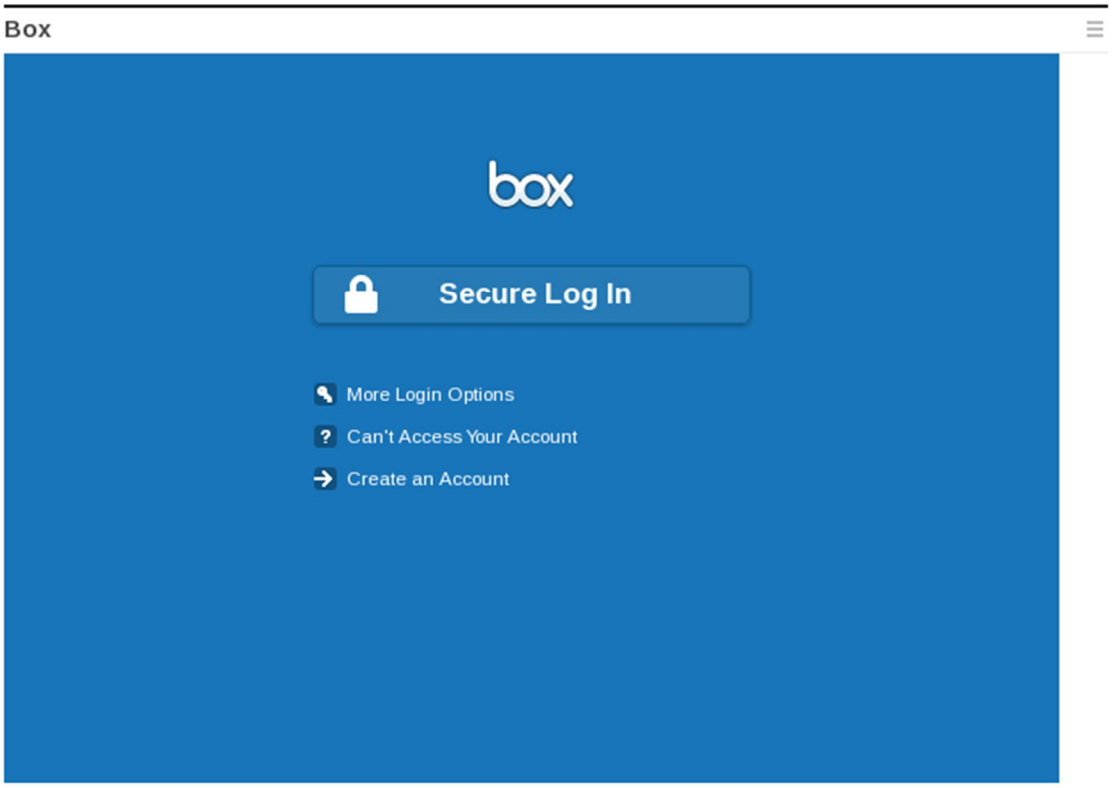
7. Click on the plus to add the Box widget

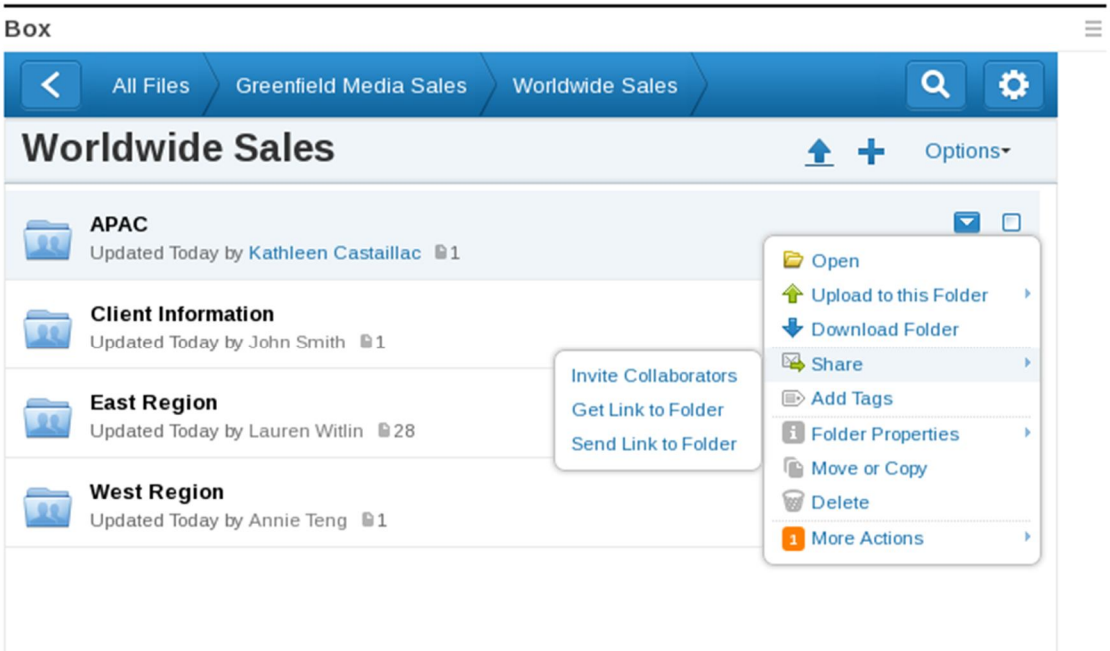


8. Click the drop down and select Edit. Insert your Box embed iframe code into the HTML section. Save the file.



9. Log in using your Box credentials


Box
box
Secure Log In
More Login Options
Can't Access Your Account
Create an Account


Box
All Files
Greenfield Media Sales
Worldwide Sales
Worldwide Sales
Options
APAC
Updated Today by Kathleen Castaillac 1
Client Information
Updated Today by John Smith 1
East Region
Updated Today by Lauren Witlin 28
West Region
Updated Today by Annie Teng 1
Invite Collaborators
Get Link to Folder
Send Link to Folder
Open
Upload to this Folder
Download Folder
Share
Add Tags
Folder Properties
Move or Copy
Delete
More Actions

Option 1: Access to user's root folder

Scenario

Incorporate core Box functionality into IBM Connections to give users direct access to all of their content in the cloud without having to leave the IBM Connections experience. If there are specific file actions that are enabled, they will also be accessible from within the embedded Box user experience. (There may be some constraints/UI issues with file actions if the widget size is too small.)

In this case, the Box embedded widget will open for the user at their root folder so they immediately have a comprehensive view of their Box content.

Box instructions

The steps to set this up from the Box side are pretty straightforward. For a basic, embedded root folder, copy <iframe src="https://www.box.com/embed_widget/000000000000/files/0/f/0 frameborder="0"></iframe> and paste it into step 7 of the installation guide.

Option 2: Access to consistent IBM Connections folder

Scenario

Incorporate core Box functionality into IBM Connections to give users direct access to all of their content in the cloud without having to leave the IBM Connections experience. In this case, the focus will be on a folder where you can store frequently accessed content and standardized materials. If there are specific file actions that are enabled for IBM Connections, they will also be accessible from within the embedded Box user experience. (There may be some constraints/UI issues with file actions if the widget size is too small.)

In this case, the Box embedded widget will open for the user at a folder dedicated to IBM Connections so users immediately have view of Box content relevant to that community. In addition, users will be able to navigate to their root folders to access all of their Box content. Alternatively, as an admin, embedded Box can be pointed to an existing folder if it makes more sense for the use case.

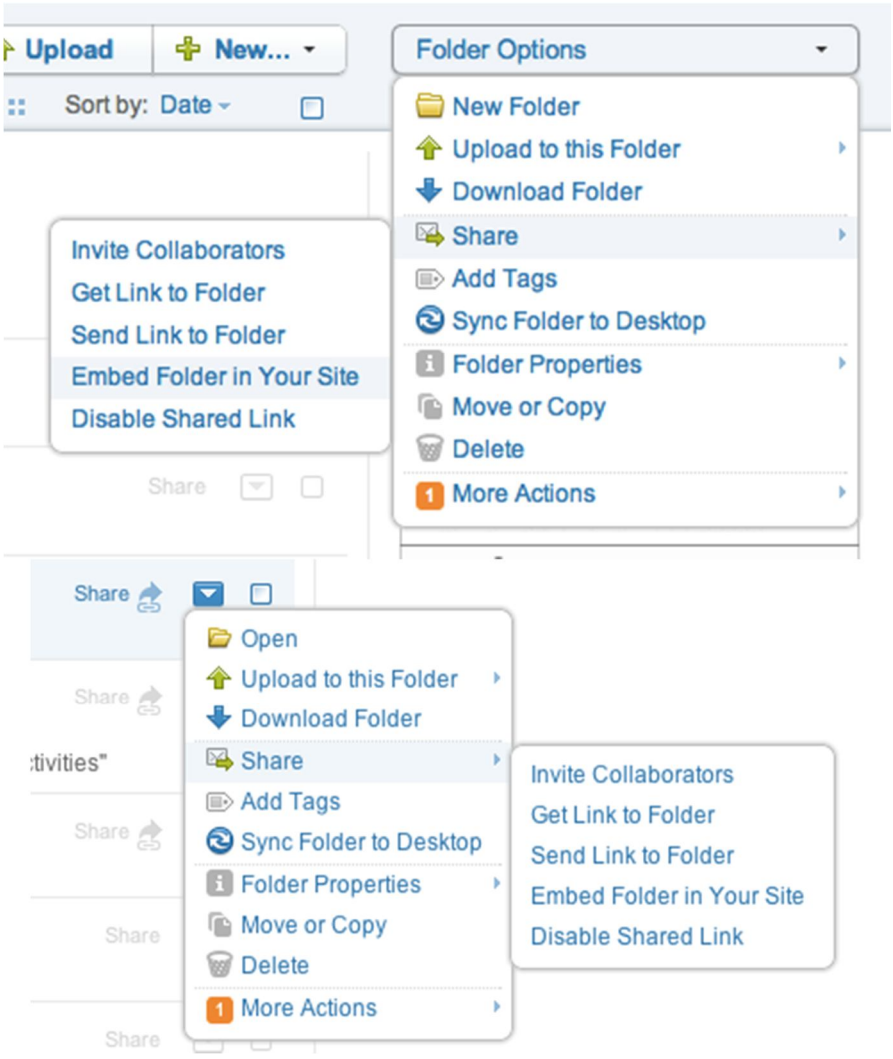
A deeper integration with Box is also possible using our APIs. These can be used to programmatically create and generate the embed code for folders. API documentation is available at http://developers.box.com.

Box instructions

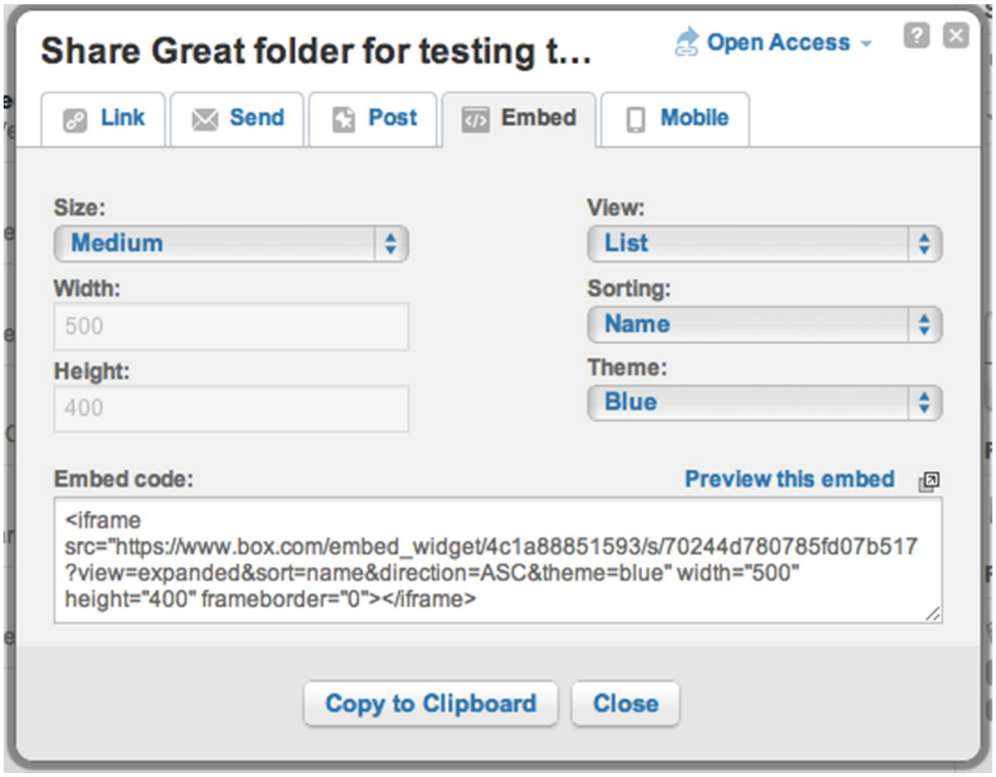
The steps to set this up from the Box side are pretty straightforward.

1. Create a folder in the Admin root directory called IBM Connections (or something related to IBM Connections).
2. Invite all users that should have access (at a minimum, all users who have access to IBM Connections) as collaborators to that folder.

3. Select that folder in Box and right click or click on “Folder Options”-> Share -> Embed Folder in Your Site



4. Set preferences for the embedded folder, including size, cooler, etc. Copy the URL as created by Box once the settings are confirmed.



To add the folder to your home page, follow the instructions listed in the installation process. In step 7, use the obtained in the Box UI:

> Box Embed Code:
> <iframe src="https://www.box.com/embed_widget/4c1a88851593/s/
> https://www.box.com/embed_widget/81a8e7b1f099/s/70244d780785fd0
> 7b517?view=expanded&sort=name&direction=ASC&theme=blue"
> width="500" height="400" frameborder="0"></iframe>

Appendix: Parameter options for the Widget

Below is a list of the current parameters that you can pass to the widget.

Example embed widget iframe:

<iframe
src="https://www.box.com/embed_widget/123456789012/s/0190ee4f6f7c8b012
345?view=expanded&sort=name&direction=ASC&theme=blue" width="500"
height="400" frameborder="0"></iframe>

Acceptable Widget URL Structure

- https://www.box.com/embed_widget/<widget_hash>/s/<shared_name>

- https://<custom_subdomain>.box.com/embed_widget/<widget_hash>/s/<shared_name>
- https://www.box.com/embed_widget/000000000000/files/0/f/0
- https://<custom subdomain>.box.com/embed_widget/000000000000/files/0/f/0

<widget_hash> are 12-character alphanumeric (lowercase) strings that is used to store configurations about the widget. This hash does not actually hold any secure information about the user, it is used primarily for saving the view, sort, root folder, and theme of the widget.

The widget_hash is typically generated at the time of creation. It is merely used to retain display configurations for the widget and is arbitrary. Here are some example widget hashes:
widget_hash = 123456789012 is a valid hash
widget_hash = a1b2c3d4e5f6 is also a valid hash

Since the <widget_hash> cannot be obtained easily, all zeros will work as well.

<shared_name> is the shared url identifier that is found when sharing a link.
For example, on the Box Website, right-click on the target folder and click on Share => Get Link to Folder. This will show you a popup with something like https://www.box.com/s/0190ee4f6f7c8b012345, the shared_name would be 0190ee4f6f7c8b012345. Please note that the HTML folder only works for shared folders (which means no files/webdocs,gsheet, etc)

Thus a full example would be https://www.box.com/embed_widget/123456789012/s/0190ee4f6f7c8b012345 given that the shared_name 0190ee4f6f7c8b012345 exists and is openly accessible. If the shared link has restrictions on it such as collaborator access only, then the user will be prompted with a login screen. (Please note that for security reasons, we will be moving towards a popup login screen where the URL is visible as box.com).

Configuration Params (passed as a GET param)
----
view
Accepted Values:
[list, icon]

Note: "expanded" is also accepted which is actually the same as list. We use it in the webapp, but external users can definitely just use list.
Description:

Changes the default layout of the files listings to a list view or an icon view. This setting persist throughout their session and can be modified via the "Options" Menu. "Options"=>"View"=>"As List" or "As Icons"

sort
Accepted Values:
[name, date, size]

Description:
Changes the default sorting of files. This setting persist throughout their session and can be modified via the "Options" Menu. "Options"=>"Sort"=>"Date" or "Name" or "Size"

direction
Accepted Values:
[asc, desc] - ascending/descending respectively

Description:
Changes the default sort direction of files. This setting persist throughout their session and can be modified via the "Options" Menu. "Options"=>"Sort" and clicking on the existing sort will modify the direction

theme
Accepted Values:
[blue, gray]

Note: 'gray' (American) not 'grey' (British)

Description:
Changes the default color scheme. This setting will persist throughout the widget. The gray theme is intended to be more neutral.

Sizing Parameters
----
width and *height* parameters are required on the actual iframe and are not passable as GET params.

width
Accepted Values:
min supported value: 330px
max supported value: no limit but we recommend a max of 1000px, 100% can be used but we do not openly support percentage width widgets.

Comments:

This determines both the size AND functionality of the widget. Smaller widgets (<500px) have less functionality than Medium widgets (500px=>799px) which also have less functionality than large widgets (>=800px)

Example: Commenting and edit-in-place is disabled for smaller widgets

height
Accepted Values:
min supported value: 400px
max supported value: no limit

Comments:
Height does not affect functionality.

"supported value" implies that we do not fix issues for widgets smaller than 330px. At this time, we only fully support Medium and Large widgets. Small Widgets are still being worked through.

In addition, we recommend adding **frameBorder="0"** to the iframe so width calculations work correctly on all browsers.