How to Add Loading Spinner on Cloud User Portal
As of 09/28/18:

Release
Kingston Patch 6

Use Case
Display a more visibly prominent loading spinner when processing pages on the Cloud User Portal so that end users are aware that the form is being processed/loaded. The intent is to augment the visibility of the OOB spinner (i.e. three dots ("…")) in the header.

How-To Steps
Create a widget that contains just the custom spinner and add the widget to the OOB "Cloud Catalog Item" Service Portal page.

1. Go to Service Portal → Widgets.
2. Click New to create a new widget with the spinner specs.
   Example:
   Name: Cloud User Portal Spinner Custom
   ID: cloud-user-portal-spinner-custom
   Description: Custom loading spinner for Cloud User Portal
   Body HTML template:

   ```
   <div class="include-loader" ng-show="loadingIndicator">
     <div class="loader-content">
       <i class="fa fa-spinner fa-pulse fa-3x fa-fw"></i>
       <div class="text-content">
         <span>${Loading... please wait.}</span>
       </div>
     </div>
   </div>
   ```

   CSS:
   ```
   .include-loader {
     position: fixed;
     top: 0;
     right: 0;
   ```

```css
  bottom: 0;
  left: 0;
  opacity: 0.5;
  background-color: #000;
  z-index: 10;
  text-align: center;
}

//animation

.fa-pulse {
    -webkit-animation: fa-spin 1s infinite steps(8);
    animation: fa-spin 1s infinite steps(8);
}

.loader-content {
  position: relative;
  display: block;
  margin: 160px auto;
  color: #fff;
  font-size: 1.5em;
}

.text-content {
  padding: 10px;
}
```

Client controller:
```javascript
function(snRecordWatcher, $scope, spUtil, $rootScope) {
    /* widget controller */
    var c = this;

    $scope.loadingIndicator = $rootScope.loadingIndicator;
    $scope.$on('sp_loading_indicator', function(e, value) {
            $scope.loadingIndicator = value;
```

```
        });
    }
```

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* Name | Cloud User Portal Spinner Custom

Application | Global ⓘ

ID | cloud-user-portal-spinner-custom

Public ☐

Description | Custom loading spinner for Cloud User Portal

Roles ✎

Body HTML template

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CSS

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```
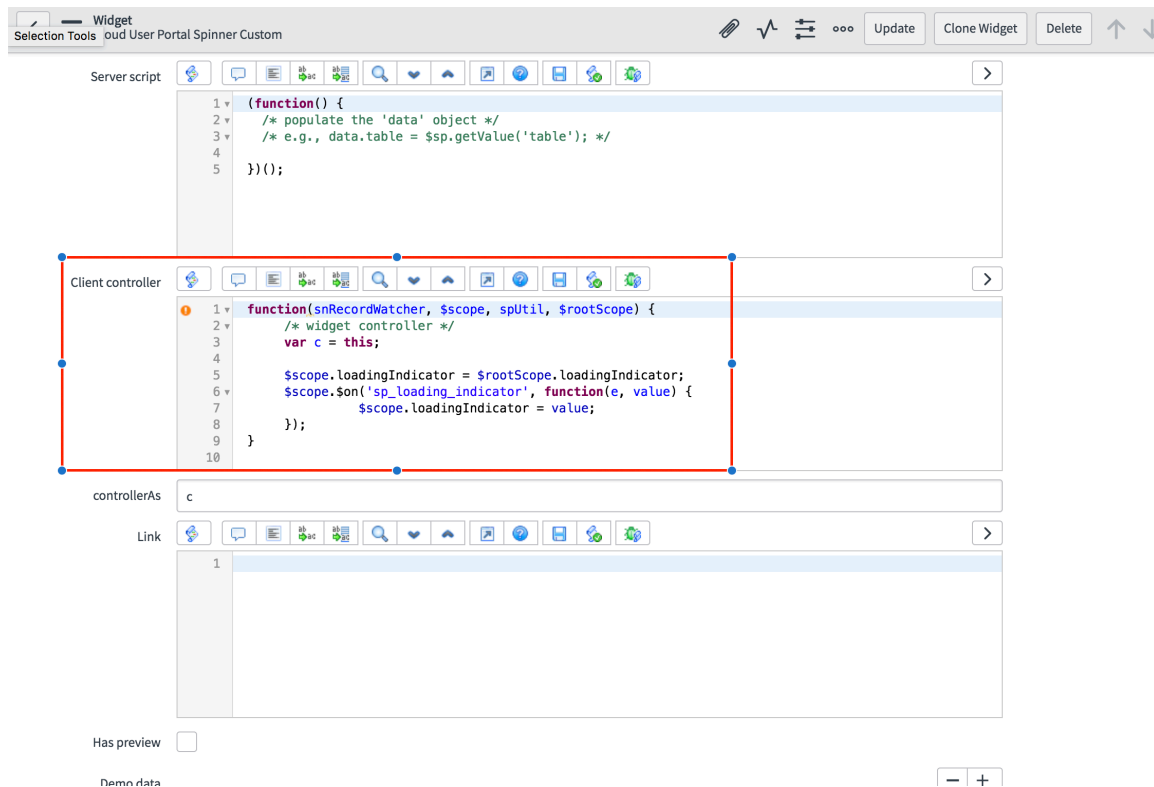
CSS

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      right: 0;
      bottom: 0;
      left: 0;
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}
```

3. Click Submit to save the new widget configuration.
4. If you are not already in the Cloud Management Platform application, switch application to Cloud Management Platform.
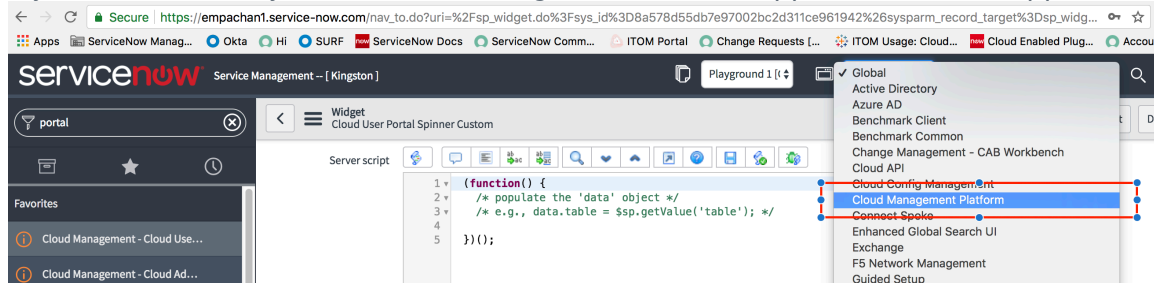
5. Go to Service Portal → Service Portal Configuration.
6. Click on the Designer tile and open the "Cloud Catalog Item" portal page.

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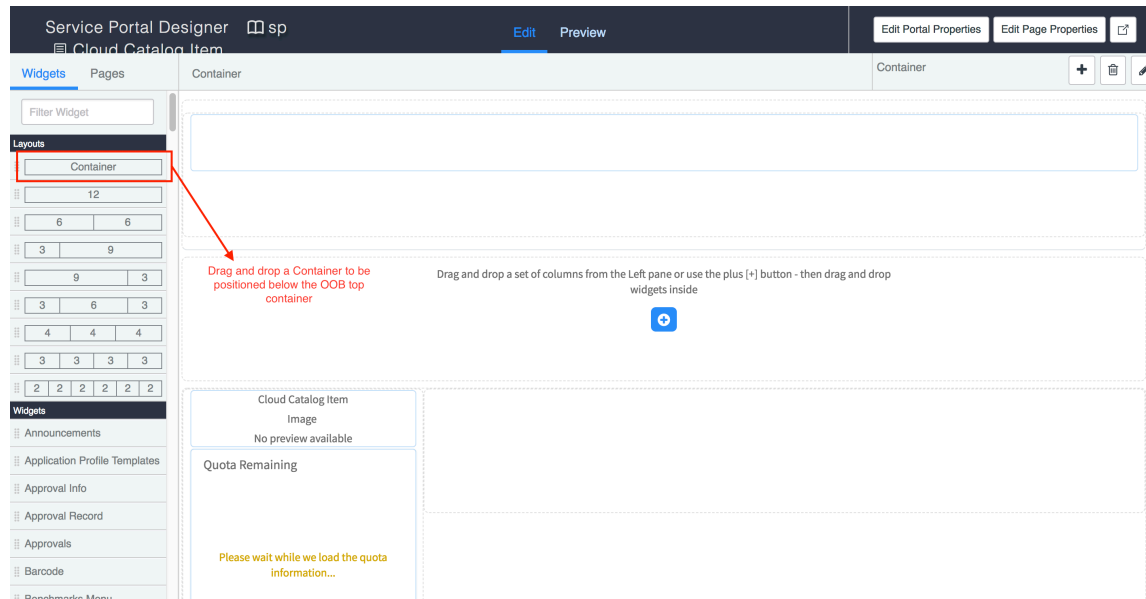
7. Drag the "Container" layout from the left-pane menu into the main body of the portal page and position it below the existing top container (i.e. the OOB container that houses the "Cloud Breadcrumbs" widget).

8. Select the new container you just dragged in the step above and drag the "12" column layout into the new container.
9. Find the custom spinner widget created in step 2 above under the left-pane menu and drag and drop the spinner widget into the new container/column inserted above.
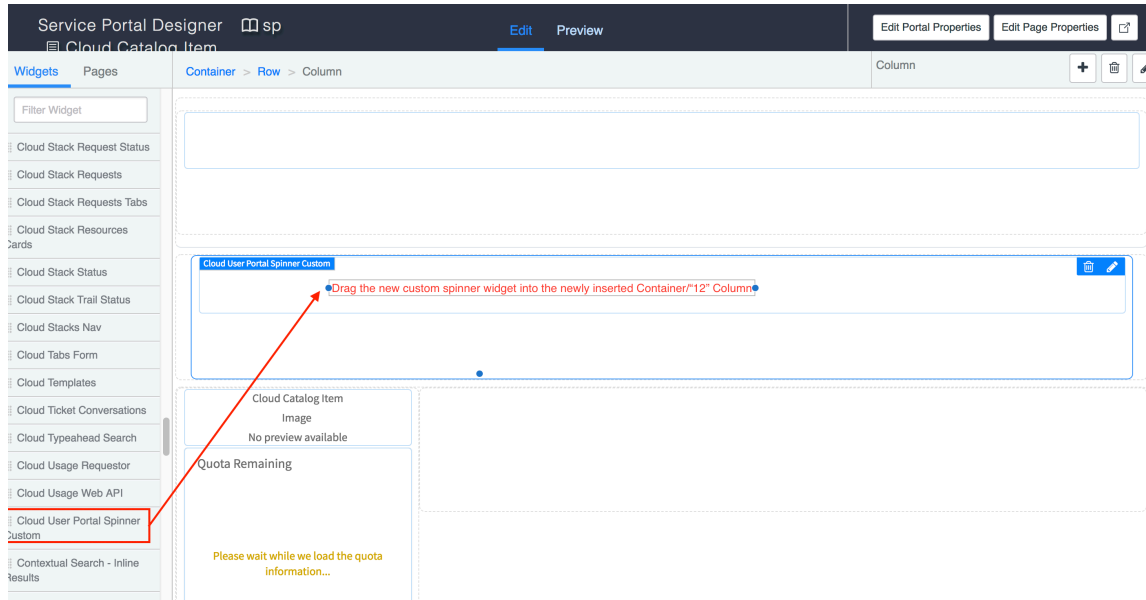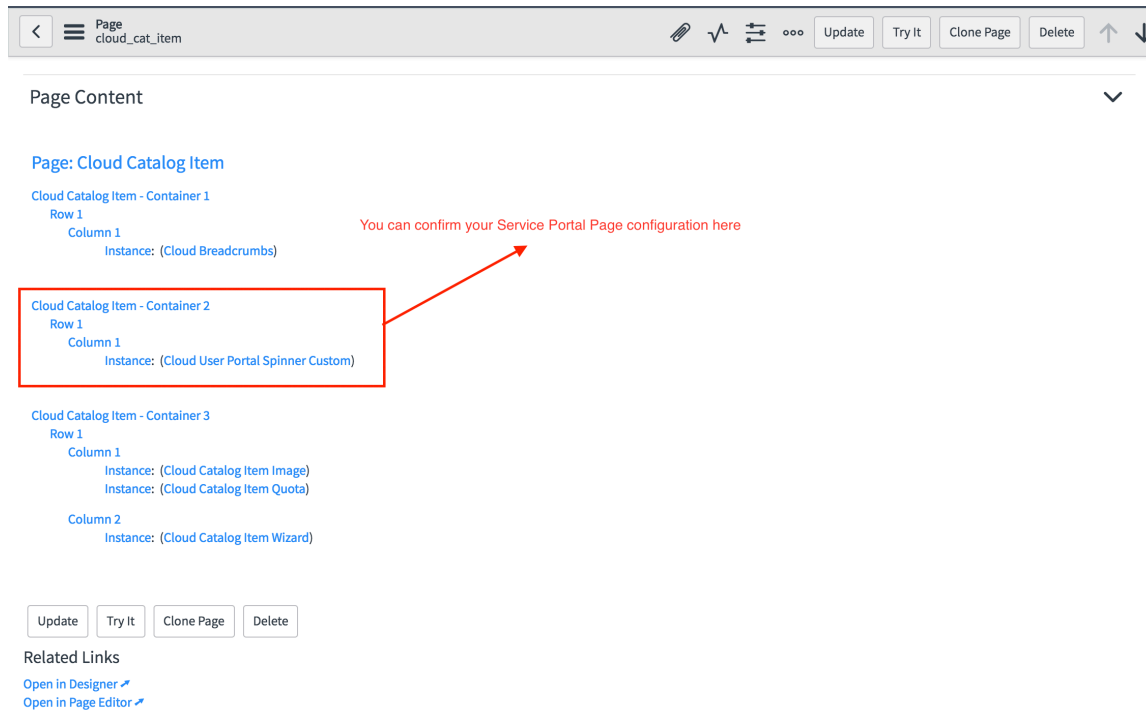
10. Close the Page Designer tab.
    Note: the tool automatically saves your portal page configuration (no explicit Save button to click).

11. Back in the main ServiceNow instance, go to Service Portal → Pages and open the "Cloud Catalog Item" page.

12. Scroll down to the Page Content section and confirm that you see the new container with custom spinner widget configured.

The screenshot shows a Service Portal Page configuration:

Page
cloud_cat_item

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Page Content

Page: Cloud Catalog Item

Cloud Catalog Item - Container 1
    Row 1
        Column 1
            Instance: (Cloud Breadcrumbs)

You can confirm your Service Portal Page configuration here

Cloud Catalog Item - Container 2
    Row 1
        Column 1
            Instance: (Cloud User Portal Spinner Custom)

Cloud Catalog Item - Container 3
    Row 1
        Column 1
            Instance: (Cloud Catalog Item Image)
            Instance: (Cloud Catalog Item Quota)

        Column 2
            Instance: (Cloud Catalog Item Wizard)

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Related Links
Open in Designer ↗
Open in Page Editor ↗

13. Open the Cloud User Portal and launch a catalog item to view the custom spinner.
    Example:
    The custom loading spinner overlay is displayed until the backend processing is complete and is inline with the OOB three dots ("…") indicator in the header menu. While processing, the form is disabled until the processes have completed.

Overview   Catalog   Stacks   Resources   Activities   Dashboard   Search

Provision An RHEL 7.5 AWS

Provision an RHEL 7.5 instance in AWS.

Loading... please wait.

Submit

General Info   Provision

Quota Remaining

Please wait while we load the quota information...

* Cloud Account
AWS Cloud East US

* Location
Select One

* Stack Name

* User Group
Team Development Code Reviewers

* Schedule Profile
-- No Schedule --

Lease End Date
2018-09-18 15:54:17

* Schedule Time Zone
America/Los_Angeles

Cost Center
Select One

Application
Select One

Business Service
Select One

Upon completion of the backend processes, the spinner disappears.