Media Gallery - Video Support Without API

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# Objective

Media gallery module supports only product images to display on product description page (PDP) at present. The objective is to leverage the existing media gallery module to support both images and videos through extensions.

Graphical user interface, website

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# Prerequisite

* SSK Module code need to be deployed and running.

Reference link: <https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/setup-dev-environment>

# Modules Extension.

Need to extend the definition and view for media-gallery module to achieve the desired feature

* **Media Gallery View Extension**
* **Media Gallery Definition Extension**

# Steps to consume and test the sample code.

1. Media Gallery Definition Extension**:** Go to definition extensions under theme folder*(“\src\themes\partnertheme\definition-extensions”*) and extend media gallery definition file (*media-gallery.definition.ext. json*)

**Option-1:** If media-gallery.definition.json is not extended, extend it first.

**Ref:** [https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/theme-module-extensions](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fdynamics365%2Fcommerce%2Fe-commerce-extensibility%2Ftheme-module-extensions&data=04%7C01%7Cv-srpas%40microsoft.com%7C422aafd5ed574b63a20808d92d16bbc6%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637590397940845613%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=%2F3iirUOaQCq7sSE2wikpst9mwzg2WIa9nnY2nGCrsiQ%3D&reserved=0)

Once extended, follow steps mentioned in option-2 to plug-in the required code to achieve the desired feature.

**Option-2**: If **partner** already extended the module definition, plug-in below code manually.

Add a configuration of type ‘string’ to set the text value to display on product card*. (*Refer below code snippet*)*

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1. Media Gallery View Extension**:** Go to views under theme folder (*“\src\themes\partnertheme\views”)* and extend media gallery view file (*media-gallery.view.tsx*)

**Option-1:** If media-gallery.view.tsx is not extended, extend it first.

**Ref:** [https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/theme-module-extensions](https://nam06.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fdynamics365%2Fcommerce%2Fe-commerce-extensibility%2Ftheme-module-extensions&data=04%7C01%7Cv-srpas%40microsoft.com%7C422aafd5ed574b63a20808d92d16bbc6%7C72f988bf86f141af91ab2d7cd011db47%7C1%7C0%7C637590397940845613%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=%2F3iirUOaQCq7sSE2wikpst9mwzg2WIa9nnY2nGCrsiQ%3D&reserved=0)

Once extended, follow steps mentioned in option-2 to plug-in the required code to achieve the desired feature.

**Option-2**: If **partner** already extended, plug-in below code manually.

1. Create a function ***getVideoThumbNailItem()*** used to get video thumbnail item to display media gallery.

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1. Modify ***renderThumbNails()*** to call ***getVideoThumbNailItem()*** function,also retrieve the configurable video by using props.config.video and use this video as an argument in ***getVideoThumbNailItem()***.

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**Note**: Please refer sample code file for the same

1. Build and test the changes: Once you are done with all the above code changes, you are good to go for testing. Execute *yarn build* from command line interface on your repository.
2. **Test the code changes:**

Execute *yarn start*.

Browse the local host 4000 port and navigate to product description page to view the video added in your media gallery along with the product images. Refer below screenshot.

Graphical user interface, website

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**Note**: The sample code is tested on below package version:

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# References for module/theme extensibility and deployment.

* **Extend a theme to add module extensions.**

<https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/theme-module-extensions>

* **Extend a theme from a base theme.**   
  <https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/extend-theme>
* **Clone a module library module.**

<https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/clone-starter-module>

* **package creation and deployment**

<https://docs.microsoft.com/en-us/dynamics365/commerce/e-commerce-extensibility/package-deploy>