

Landing 2 XPage Conversion Script

The script will execute all of the following steps in 1 groovy script:

landing2xpageconversion.yaml

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Script Configuration:

Parameter	Example	Default / required
XPath query	hst:myproject/hst:configurations	required
Parameters	<pre>{ "hstConfiguration": "myproject", "defaultXpageDocType": "myproject:bannerdocument", "xPageFolder" : "xpages"}</pre>	
- hstConfiguration	myproject	required
- defaultXpageDocType	myproject:bannerdocument	required
- xPageFolder	xpages	Default = xpages

Step 0: Removing the preview configuration

Step 0 will remove the preview configuration.

Example: If your HST configuration node is **"myproject"**, it will remove the sibling **"myproject-preview"**. It is important that there are no pending changes in the preview configuration or these will be lost during execution of the script.

Step 1: Convert hst:prototypepages to hst:xpages

Step 1 will convert the current prototype page templates to xpages templates in the HST configuration:

Example Source:

```
/hst:prototypepages:
  jcr:primaryType: hst:pages
  /contentpage:
    jcr:primaryType: hst:component
    jcr:mixinTypes: ['hst:prototypemeta']
    hst:displayname: Simple Content Page
    hst:primarycontainer: main
    hst:referencecomponent: hst:abstractpages/base
  /main:
    jcr:primaryType: hst:containercomponent
    hippo:identifier: 137bca1b-9e9f-4a42-8dc6-8ebe111497da
    hst:label: Content Page Main
    hst:xtype: hst.vbox
  /two-columns:
    jcr:primaryType: hst:component
    jcr:mixinTypes: ['hst:prototypemeta']
    hst:displayname: Two columns
    hst:primarycontainer: main/content/right-container
    hst:referencecomponent: hst:abstractpages/base
  /main:
    jcr:primaryType: hst:component
    /content:
      jcr:primaryType: hst:component
      hst:componentclassname: test123
      hst:parameterNames: [test123, '456']
      hst:parameterValues: [qwerty123]
      hst:template: two-columns.main.content
    /left-container:
      jcr:primaryType: hst:containercomponent
      hippo:identifier: ac851139-de1a-485d-a3b4-96d28e538de7
    /right-container:
      jcr:primaryType: hst:containercomponent
      hippo:identifier: 4367b04e-61b5-4dc0-8dbb-44bb1207c86c
```

To Target:

```
/hst:xpages:
  jcr:primaryType: hst:xpages
  /contentpage:
    jcr:primaryType: hst:xpage
    hst:label: Simple Content Page
    hst:referencecomponent: hst:abstractpages/base
    /main:
      jcr:primaryType: hst:containercomponent
      hippo:identifier: 137bca1b-9e9f-4a42-8dc6-8ebe111497da
      hst:label: Content Page Main
      hst:xtype: hst.vbox
  /two-columns:
    jcr:primaryType: hst:xpage
    hst:label: Two columns
    hst:referencecomponent: hst:abstractpages/base
    /main:
      jcr:primaryType: hst:component
      /content:
        jcr:primaryType: hst:component
        hst:componentclassname: test123
        hst:parameterNames: [test123, '456']
        hst:parameterValues: [qwerty123]
        hst:template: two-columns.main.content
      /left-container:
        jcr:primaryType: hst:containercomponent
        hippo:identifier: ac851139-de1a-485d-a3b4-96d28e538de7
      /right-container:
        jcr:primaryType: hst:containercomponent
        hippo:identifier: 4367b04e-61b5-4dc0-8dbb-44bb1207c86c
```

Note that the existing prototype pages will not be removed!

Step 2: Convert all sitemap items with a primary document reference

Step 2 will iterate through all of the sitemap items in the workspace which have a relative content path set to an existing document. The conversion script will then apply the xpage structure on the document.

Example sitemap item:

```
/hst:myproject/hst:configurations/myproject/hst:workspace/hst:sitemap/foo:
  jcr:primaryType: hst:sitemapitem
  hst:lastmodified: 2020-10-19T14:17:48.430+02:00
  hst:pagetitle: bar
  hst:relativecontentpath: content/sample-document
```

Example document:

```
/content/documents/myproject/content/sample-document:
  jcr:primaryType: myproject:contentdocument
  ...
  /hst:xpage:
    jcr:primaryType: hst:xpage
    hst:pageref: contentpage
    /137bca1b-9e9f-4a42-8dc6-8ebe111497da:
      jcr:primaryType: hst:containercomponent
      hippo:identifier: 19d6ae71-5775-4659-8b42-4dffa07c5386
      hst:label: Content Page Main
      hst:lastmodified: 2020-10-19T14:18:00.388+02:00
      hst:xtype: hst.vbox
      /simplecontent:
        jcr:primaryType: hst:containeritemcomponent
        ...
```

The script will also remove all page definitions from the workspace corresponding to the sitemap items.

Step 3: Preparing the content driven sitemap structure

Step 3 will prepare the content driven sitemap structure based on the depth of the sitemap in the workspace. This is required before step 4.

Example:

```
/hst:myproject/hst:configurations/myproject/hst:workspace/hst:sitemap:
  jcr:primaryType: hst:sitemap
  /foolv1:
    jcr:primaryType: hst:sitemapitem
    /barlv2:
      jcr:primaryType: hst:sitemapitem
      /foolv3:
        jcr:primaryType: hst:sitemapitem
```

to:

```
/hst:myproject/hst:configurations/myproject/hst:sitemap/_default_:
  jcr:primaryType: hst:sitemapitem
  hst:relativecontentpath: xpages/${1}
  /_default_:
    jcr:primaryType: hst:sitemapitem
    hst:relativecontentpath: ${parent}/${2}
    /_default_:
      jcr:primaryType: hst:sitemapitem
      hst:relativecontentpath: ${parent}/${3}
    /_index_:
      jcr:primaryType: hst:sitemapitem
      hst:relativecontentpath: ${parent}/index
  /_index_:
    jcr:primaryType: hst:sitemapitem
    hst:relativecontentpath: ${parent}/index
```

Step 4: Convert all sitemap items without a relative content path

Step 4 will go iterate all of the sitemap items in the workspace without a relative content path. It will create documents in the configured **xPageFolder** with the document type of the configured **defaultXpageDocType**.

Example:

```
/content/documents/myproject/xpages:
jcr:primaryType: hippostd:folder
jcr:mixinTypes: ['hippostd:xpagefolder', 'hippotranslation:translated']
hippostd:channelid: myproject
hippotranslation:id: ce1bf46a-4cb8-4093-b2fa-d1d5fe57ae68
hippotranslation:locale: en
/foolv1:
  jcr:primaryType: hippostd:folder
  jcr:mixinTypes: ['hippostd:xpagefolder']
  hippostd:channelid: myproject
/barlv2:
  jcr:primaryType: hippostd:folder
  jcr:mixinTypes: ['hippostd:xpagefolder']
  hippostd:channelid: myproject
/foolv3:
  jcr:primaryType: hippo:handle
/foolv3:
  jcr:primaryType: myproject:bannerdocument
/hst:xpage:
  jcr:primaryType: hst:xpage
  hst:pageref: contentpage
  /137bca1b-9e9f-4a42-8dc6-8ebe111497da:
    jcr:primaryType: hst:containercomponent
    ...
/index:
  jcr:primaryType: hippo:handle
/index:
  jcr:primaryType: myproject:bannerdocument
/hst:xpage:
  jcr:primaryType: hst:xpage
  hst:pageref: contentpage
  /137bca1b-9e9f-4a42-8dc6-8ebe111497da:
    jcr:primaryType: hst:containercomponent
    ..
  /banner:
    jcr:primaryType: hst:containeritemcomponent
    ..
```

Known limitations

- Projects are not supported
- Sitemap page titles will not be migrated