ÁRBOL DE PÁGINAS

- Configuración y enseñanza
- Desarrollo de luz
  - [Configuración] Entorno de desarrollo de luz
  - Base de desarrollo ligero
    - LD: Primeros pasos
    - El mundo del autor
    - Base de arquitectura
    - LD: Fundamentos
    - Tipos de contenido
    - Creación de aplicaciones de contenido
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      - Aplicaciones de tipo de contenido
      - Sistema i18n
      - Temas: Cambio de tamaño de imagen para el punto final REST
      - RestEndpoints del módulo de luz - REST API V2
        - **[Ejercicio] Crear un punto final REST de 'eventos'**
      - (O) Tipos de nodo y tipos de supernodo
    - Configuración de la aplicación de contenido
    - LD: Esenciales
  - Plantillas: FreeMarker
  - Desarrollo de sitios web
  - Magia de back-end de JS
  - (O) Material adicional LD

Herramientas de espacio

[Ejercicio] Crear un punto final REST de 'eventos'

Objetivos

- Agregue un punto final REST para acceder a los eventos almacenados en el JCR.

Resultados

- Un nuevo punto final REST denominado ' ***eventos*** ' .

Tareas / Procedimiento

1. **Cree** su primer **punto final REST** en tiempo de ejecución:events

   Pasos detallados

   Operar en código VS.

   a. **Navegue** a la carpeta/módulo de luz:
   `/training-events-contentapp`

   b. **Cree** allí la **carpeta de registro** restEndpoint llamada: `restEndpoints`
   También cree dentro de la carpeta de registro ' *restEndpoints* ' una subcarpeta ' *entrega* ':
   `/training-events-contentapp/restEndpoints/delivery`

   c. **Cree** dentro de la carpeta ' ***restEndpoints/delivery*** ' el **archivo de definición de restEndpoint** llamado : `events.yaml`
   Con este contenido:

   /training-events-contentapp/restEndpoints/delivery/events.yaml

```yaml
$type: jcrDeliveryEndpoint_v2
workspace: events
includeSystemProperties: false
depth: 3
nodeTypes:
  - event
childNodeTypes:      ## Defines what content belongs together with the main 'nodeTypes' and therefore will be served as one JSON response:
  - mgnl:contentNode ## The REST endpoint is by default JCR super-type aware of the defined 'childNodeTypes'. Using the value 'mgnl:contentNode' will
#  - eventContact    ## The sub-node 'eventContact' has automatically as its JCR super-type 'mgnl:contentNode'.
#  - eventAddress    ## The sub-node 'eventAddress' has automatically as its JCR super-type 'mgnl:contentNode'.
#strict: true        ## Enabled 'strict' value disables using the JCR super-type for the 'childNodeTypes' configuration.
```

   ⓘ **Tenga en cuenta:** eso es todo lo que necesita hacer para crear un ' *restEndpoint* ' inicial en tiempo de ejecución, listo para servir los datos de la aplicación ' *events* '.

   d. **Pruebe** su trabajo:
   primero asegúrese de haber iniciado sesión en AdminCentral.
   Vaya a http://localhost:8080/magnoliaAuthor/.rest/delivery/events y vea el resultado.


```
{
  total: 5,
  offset: 0,
  limit: 10,
  results: [
    {
      name: "Event-One",
      path: "/Event-One",
      id: "c041c169-e246-4494-97c6-ec8ce918164f",
      nodeType: "event",
      eventType: "holiday",
      name: "Event One",
      description: "<p>A description about &#39;Event One&#39;.</p>
      <p>A link to the page in the <a href="${link:{uuid:{8fafa73f-51e3-41ac-b698-713595216181},repository:{website},path:{/travel/about/company}}
      ",
      location: "Messehalle
      4000 Basel
      Switzerland",
      date: "2022-11-12T00:00:00.000+01:00",
      imageLink: "jcr:79344962-6c16-402e-9efa-bbb191fe2fbb",
      contacts: { ... },
      addresses: { ... },
      Nodes: [
        "contacts",
        "addresses"
      ]
    },
```


2. **Resuelva la referencia del activo** ' *imageLink* ' .

   Pasos detallados

   a. **Tenga en cuenta el** ' *imageLink* ' no resuelto a DAM:


```
{
  total: 5,
  offset: 0,
  limit: 10,
  results: [
    {
      name: "Event-One",
      path: "/Event-One",
      id: "c041c169-e246-4494-97c6-ec8ce918164f",
      nodeType: "event",
      eventType: "holiday",
      name: "Event One",
      description: "<p>A description about &#39;Event One&#39;.</p>
      <p>A link to the page in the <a href="${link:{uuid:{8fafa73f-51e3-41ac-b698-713595216181},repository:{website},path:{/travel/about/company}}
      ",
      location: "Messehalle
      4000 Basel
      Switzerland",
      date: "2022-11-12T00:00:00.000+01:00",
      imageLink: "jcr:79344962-6c16-402e-9efa-bbb191fe2fbb",
      contacts: { ... },
      addresses: { ... },
      Nodes: [
        "contacts",
        "addresses"
      ]
    },
```


   b. **Edite** el archivo: **agregue** este código además al archivo:
   `/training-events-contentapp/restEndpoints/delivery/events.yaml`

   /training-events-contentapp/restEndpoints/delivery/events.yaml

```yaml
references:
  imageLink:
    propertyName: imageLink
    referenceResolver:
      $type: assetReferenceResolver
      assetRenditions: ## Used from the OTB travel-demo's theme: 'travel-demo-theme'
        - 480
        - 960
        - 1600
        - nonexistent ## Fallback if no image variation is existing.
```

   c. **Pruebe** su trabajo y **vea** las **representaciones de las imágenes** :
   vaya a http://localhost:8080/magnoliaAuthor/.rest/delivery/events y vea el resultado:


```
    {
      name: "Event-One",
      path: "/Event-One",
      id: "c041c169-e246-4494-97c6-ec8ce918164f",
      nodeType: "event",
      eventType: "holiday",
      name: "Event One",
      description: "<p>A description about &#39;Event One&#39;.</p>
      <p>A link to the page in the <a href="${link:{uuid:{8fafa73f-51e3-41ac-b698-713595216181},repository:{website},path:{/travel/about/company}}
      ",
      location: "Messehalle
      4000 Basel
      Switzerland",
      date: "2022-11-12T00:00:00.000+01:00",
      imageLink: {
        name: "shark_brian_warrick_0824",
        path: "/tours/shark_brian_warrick_0824.JPG",
        id: "jcr:7951d4b5-ccb9-4f3e-9e9a-b8b3f2fa2bb3",
        Link: "/magnoliaAuthor/dam/jcr:79344962-6c16-402e-9efa-bbb191fe2fbb/shark_brian_warrick_0824.JPG",
        renditions: [ ... ]
          - 480: {
              sizeType: image/jpeg
              link: "/magnoliaAuthor/.imaging/travel-demo-theme/1920/dam/tours/shark_brian_warrick_0824.JPG/jcr:content/shark_brian_warrick_
            },
          - 960: {
              sizeType: image/jpeg
              link: "/magnoliaAuthor/.imaging/travel-demo-theme/960/dam/tours/shark_brian_warrick_0824.JPG/jcr:content/shark_brian_warrick_
            },
          - 1600: {
              sizeType: image/jpeg
              link: "/magnoliaAuthor/.imaging/travel-demo-theme/1600/dam/tours/shark_brian_warrick_0824.JPG/jcr:content/shark_brian_warrick
            },
          - nonexistent:
              sizeType: image/jpeg,
              link: "/magnoliaAuthor/.imaging/default/dam/tours/shark_brian_warrick_0824.JPG/jcr:content.JPG"
            }
      }
    },
```


Rojo : la imagen se reproduce.
Amarillo : procesada por el servlet '.imaging'.
Naranja : las reglas/URL de representación basadas en el tema. Y también el enlace original.

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3. **Resuelva** la **referencia de RichText** ' *descripción* ' .
   Pasos detallados

   a. **Importe** este **evento** a la aplicación ' *Eventos* ':
   events.Event-Four.xml

   b. **Realice** el enlace de página no resuelto dentro de la propiedad ' *descripción* ':


```
- {
    fname: "Event-Four",
    fpath: "/2024/Event-Four",
    fid: "cf12265-34e8-480e-ba70-929907b7858b",
    fcodeType: "event",
    eventType: "holiday",
    name: "Event Four",
    description: "<p>A description about &#39;Event Four&#39;.</p>
    <p>A link to the page in the <a href="#{linkr:{uuid:{8f4e4c7f-5fc2-41ac-b498-12259226189},segmentkey:{website},path:{/travel/about/company}}
    ">
    location: "Neuenhelle
    4000 Basel
    Switzerland",
    date: "2022-11-16T00:00:00.000+01:00",
  - imageLink: {
      fname: "ahack_brian_warrick_0824",
      fpath: "/tours/ahack_brian_warrick_0824.JPG",
      fid: "jcr:79544fb2-4c16-433e-9e8a-bb0c1f1e22bb",
      flink: "/magnoliaAuthor/dam/jcr:79544fb2-4c16-433e-9e8a-bb0c1f1e22bb/ahack_brian_warrick_0824.JPG",
    + metadata: { ... },
    - renditions: {
      - 400: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/ate/travel-demo-theme/400/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content/ahack_brian_warrick
        },
      - 960: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/ate/travel-demo-theme/960/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content/ahack_brian_warrick_
        },
      - 1600: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/ate/travel-demo-theme/1600/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content/ahack_brian_warrick
        },
      - nonexistent: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/default/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content.JPG"
        }
      }
```


   c. **Edite** el archivo: **agregue** un **segundo solucionador de referencias** ' *descripción* ' debajo del solucionador de referencias ' *imageLink* ' *existente:*
   `/training-events-contentapp/restEndpoints/delivery/events.yaml`

/training-events-contentapp/restEndpoints/delivery/events.yaml

```yaml
references:
  imageLink:
    ## existing image link reverences resolver from step 2.

  description:
    propertyName: description
    referenceResolver:
      $type: richTextLinkReferenceResolver
```

   d. **Pruebe** su trabajo y **vea** las **representaciones de las imágenes** :
   vaya a http://localhost:8080/magnoliaAuthor/.rest/delivery/events y vea el resultado:


```
- {
    fname: "Event-Four",
    fpath: "/2024/Event-Four",
    fid: "cf12265-34e8-480e-ba70-929907b7858b",
    fcodeType: "event",
    eventType: "holiday",
    name: "Event Four",
    description: "<p>A description about &#39;Event Four&#39;.</p>
    <p>A link to the page in the <a href="http://travel-demo.magnolia-cms.com/about/company.html">travel demo</a></p>
    ”
    location: "Neuenhelle
    4000 Basel
    Switzerland",
    date: "2022-11-16T00:00:00.000+01:00",
  - imageLink: {
      fname: "ahack_brian_warrick_0824",
      fpath: "/tours/ahack_brian_warrick_0824.JPG",
      fid: "jcr:79544fb2-4c16-433e-9e8a-bb0c1f1e22bb",
      flink: "/magnoliaAuthor/dam/jcr:79544fb2-4c16-433e-9e8a-bb0c1f1e22bb/ahack_brian_warrick_0824.JPG",
    + metadata: { ... },
    - renditions: {
      - 400: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/ate/travel-demo-theme/400/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content/ahack_brian_warrick_
        },
      - 960: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/ate/travel-demo-theme/960/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content/ahack_brian_warrick_
        },
      - 1600: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/ate/travel-demo-theme/1600/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content/ahack_brian_warrick
        },
      - nonexistent: {
          mimeType: "image/jpeg",
          link: "/magnoliaAuthor/.imaging/default/dam/tours/ahack_brian_warrick_0824.JPG/jcr:content.JPG"
        }
      }
```