

Интеграция АЕМ с внешним медиа-сервером

Содержание

Цифровые данные

DAM АЕМ

Внешние сервисы

Цифровые данные

- Изображения (photography, logos, illustrations, animations)
- Документы (presentations, spreadsheets, word documents, electronic mails)
- Видео/Аудио
- Другое(education, voting, friendships, conversations and reputation amongst others, cryptocurrency)

Цифровые данные

A digital asset, in essence, is anything that exists in a binary format and comes with the right to use.

Данные(Data) - информация о чем-либо

Метаданные(Metadata) - информации об этой информации

Дублинское ядро

1. Title — название;
2. Creator — создатель;
3. Subject — тема;
4. Description — описание;
5. Publisher — издатель;
6. Contributor — внёсший вклад;
7. Date — дата;
8. Type — тип;
9. Format — формат документа;
10. Identifier — идентификатор;
11. Source — источник;
12. Language — язык;
13. Relation — отношения;
14. Coverage — покрытие;
15. Rights — авторские права.

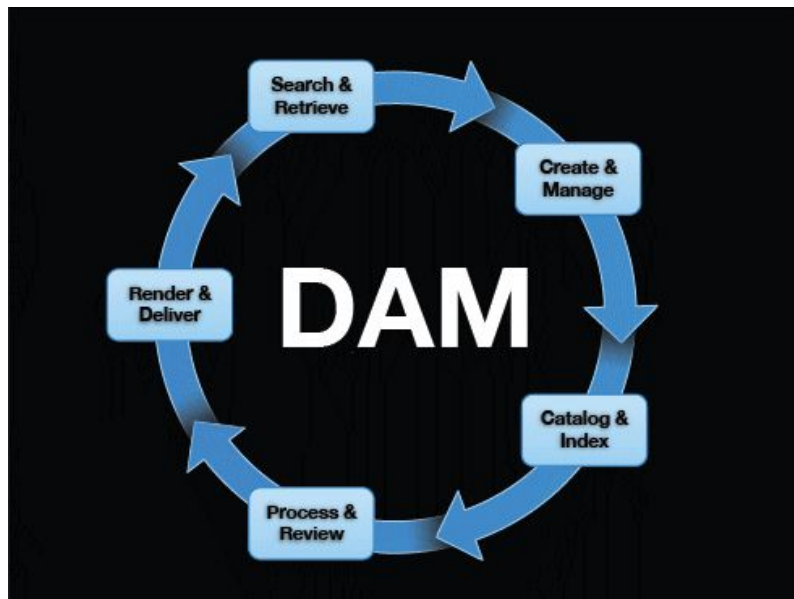
Audience — аудитория (зрители);

Provenance — происхождение;

RightsHolder — правообладатель.

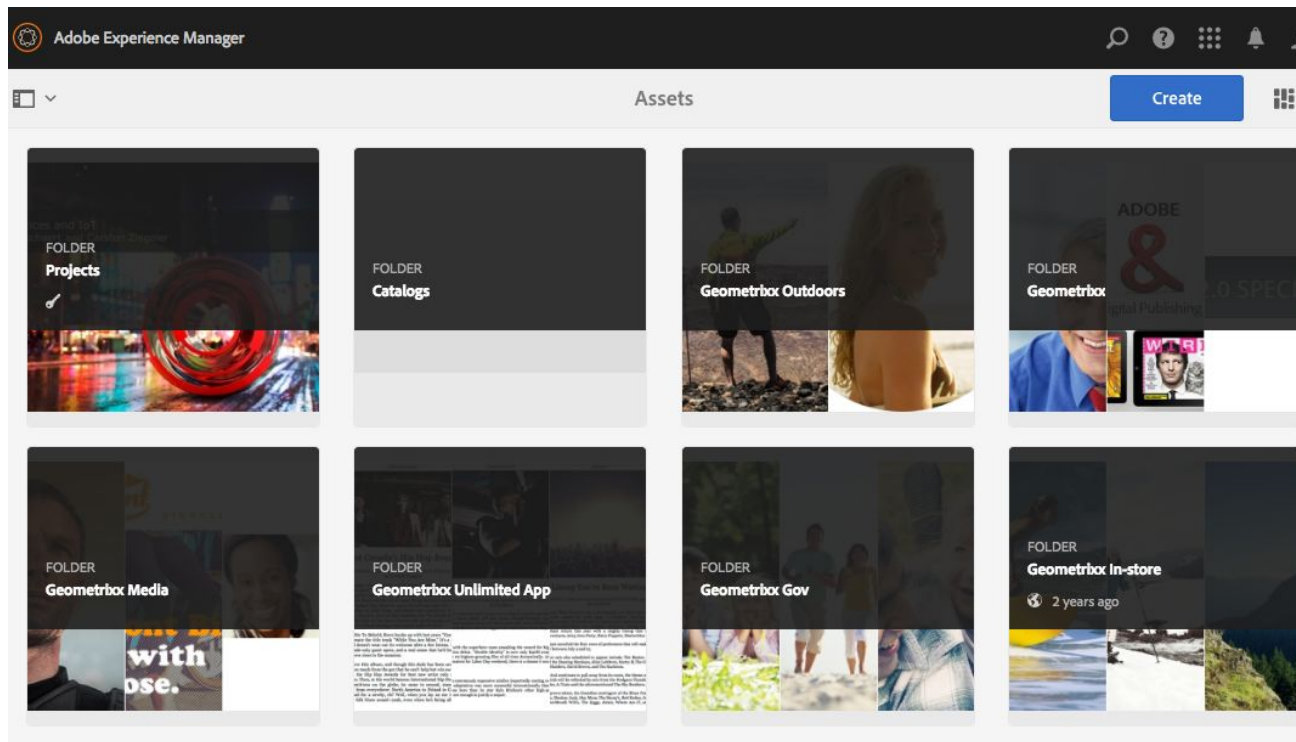
DAM (Digital Asset Management)

бизнес-процесс для организации, хранения и извлечения мультимедийных данных и управления цифровыми правами и разрешениями.



DAM AEM

Touch UI: <http://localhost:4502/assets.html/content/dam>



DAM AEM

Classic UI: <http://localhost:4502/damadmin#/content/dam>

The screenshot displays the AEM Assets Classic UI. At the top, there is a green header bar with the text "AEM ASSETS" and several icons. Below the header, there is a "Digital Assets" section with a search bar. The main content area is divided into two parts: a left-hand navigation pane and a right-hand table view.

The left-hand navigation pane shows a tree structure of digital assets:

- Digital Assets
 - Projects
 - Catalogs
 - Geometrixx Outdoors
 - Geometrixx
 - Geometrixx Media
 - Geometrixx Unlimited App
 - Geometrixx Gov
 - Geometrixx In-store

The right-hand table view displays a list of digital assets with the following columns: Name, Published, Modified, and Status. The table contains five rows of data:

	Name	Published	Modified	Status
1	projects	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	
2	catalogs	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	
3	geometrixx-out...	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	
4	geometrixx	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	
5	geometrixx-me...	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	

DAM AEM.

Хранения данных в DAM/AEM?

Тест:

Adobe Experience Manager (6.2.0)

cq5_guide_developer.pdf

<http://localhost:4502/damadmin#/content/dam/aembelarus/>

<http://localhost:4502/assets.html/content/dam/aembelarus/>

DAM AEM

http://localhost:4502/mnt/overlay/dam/gui/content/assets/metadataeditor.html/content/dam/aembelarus/cq5_guide_developer_2.pdf

Share Download Edit Annotate To Collection Copy Move Publish ... Close

cq5_guide_developer_2.pdf

BASIC ADVANCED INSIGHTS

Metadata **Scheduled (de)activation** **References**

Title

Description
Description: CQ5 WCM Develop

Type
application/pdf

Language

Tags

Created
07-25-2017 12:50

On Time

Off Time

Referenced By

CQ5 WCM Developer's Guide

cq5_guide_developer_2.pdf

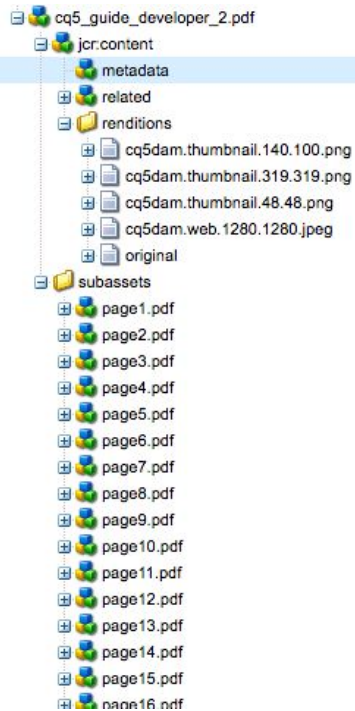
DAM AEM

<http://localhost:4502/editor.html/content/geometrixx-outdoors/en/brand.html>

The screenshot displays the Adobe Experience Manager (AEM) editor interface. On the left, the 'Assets' sidebar is visible, featuring a search bar with the placeholder 'Enter keyword(s)', a path input field, and a 'Documents' dropdown menu. Below these are sections for 'Publish status' and 'Filetype'. A 'NEW' button is positioned at the bottom right of the sidebar. The main content area shows a document titled 'BRAND' with a user '(anonym)'. The document header includes the 'geometrixx OUTDOORS' logo and navigation tabs for 'MEN'S', 'WOMEN'S', 'EQUIPMENT', and 'AC'. A text block is selected, and a 'Text' dialog box is open, showing a rich text editor with a toolbar containing bold (B), italic (I), underline (U), and text color (T) icons, along with list and link icons. The text 'Link to document' is visible in the editor and the dialog box.

DAM AEM

Более детально: http://localhost:4502/crx/de/index.jsp#/content/dam/aembelarus/cq5_guide_developer_2.pdf/jcr%3Acontent/metadata



Properties				Access Control	Replication	Console	Build Info
	Name ▲	Type	Value				
1	dam:Author	String	Creator: Adobe				
2	dam:Physicalheightininc...	Decimal	11.694444444444445				
3	dam:Physicalwidthininc...	Decimal	8.263888888888889				
4	dam:Producer	String	Apache FOP Version 0.94				
5	dam:extracted	Date	2017-07-25T09:50:59.820+03:00				
6	dam:numPages	Long	76				
7	dam:sha1	String	d34a10d3e8bf3d2d973a1ab2536aaceca2b05ced				
8	dam:size	Long	1836967				
9	dc:creator	String[]	Creator: Adobe				
10	dc:creator_xmpArrayType	String	rdf:Seq				
11	dc:date	String[]	2009-05-12T12:07:03+02:00				
12	dc:date_xmpArrayType	String	rdf:Seq				
13	dc:description	String	Description: CQ5 WCM DeveloperGuide				
14	dc:format	String	application/pdf				
15	dc:modified	Date	2017-07-25T09:48:23.224+03:00				
16	dc:subject	String[]	Description: CQ5 WCM DeveloperGuide				
17	dc:subject_xmpArrayType	String	rdf:Bag				
18	jcr:mixinTypes	Name[]	cq:Taggable				
19	jcr:primaryType	Name	nt:unstructured				
20	pdf:PDFVersion	String	1.4				

DAM AEM. Repository Size

1,7 Mb -> 110.1 Mb Download: [package.zip](#) (110.1 MB) (100x52x110Mb = 550Gb)



aemmetup.zip

Build: 1 | Last built 12:45 | admin

 Share | 110 MB

Edit Build Install Download Share

More ▾

Package: aemmetup

Download: [aemmetup.zip](#) (110 MB)

Group: my_packages

Activity Log

```
A /content/dam/aembelarus/cq5_guide_developer_2.pdf/subassets/page76.pdf/_jcr_content/renditions/origi
A /content/dam/aembelarus/cq5_guide_developer_2.pdf/subassets/page76.pdf/_jcr_content/renditions/origi
A /content/dam/aembelarus/cq5_guide_developer_2.pdf/subassets/page76.pdf/_jcr_content/renditions/origi
A /content/dam/aembelarus/cq5_guide_developer_2.pdf/subassets/page76.pdf/_jcr_content/renditions/cq5dar
A /content/dam/aembelarus/cq5_guide_developer_2.pdf/subassets/page76.pdf/.content.xml
- Aggregation status: 544 of 542 prepared, 543 collected
A META-INF/vault/definition/.content.xml
```

```
Package built in 3287ms
```

AEM DAM. Specific problems

Replication to publish

Server load

Cache invalidation

DAM AEM.

1 -> N

Symbolic link

https://example.com/aem/cq5_guide_developer.pdf

https://example.com/aembelarus/cq5_guide_developer.pdf

N->1

Image rendition

<https://example.com/aembelarus/1024/cq5.png>

<https://example.com/aembelarus/666/cq5.png>

<https://example.com/aembelarus/124/cq5.png>

DAM. Внешние сервисы

Adobe Scene7 и другие



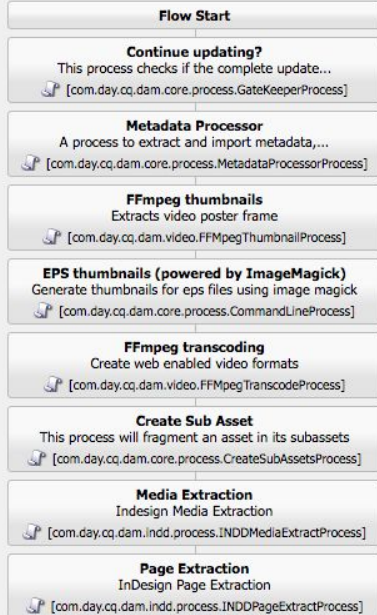
DAM AEM

http://localhost:4502/cf#/etc/workflow/models/dam/update_asset.html

DAM Update Asset

This workflow manages the update of assets

Workflow Save



AEM

DAM Workflow

- Add Watermark
- Asset Offloading
- Command Line
- Create Reference
- Create Sub Asset
- Create Thumbnail
- Create Video Storyboard

Projects +

WCM Workflow +

Workflow +

Navigation icons: back, forward, search, refresh, help.

DAM AEM. Asset Workflow

- Изменить текущие
 - Media extraction
 - Page extraction
 - Process Thumbnail
- Добавить пользовательские
 - Автоматическая активация
 - Добавление пользовательских мета-данных
 - Удаление бинарных файлов

DAM АЕМ. Автоматическая активация

```
public class MediaActivateWorkflowStep extends AbstractAssetWorkflowProcess {
    ...
    @Override
    public void execute(final WorkItem workItem, final WorkflowSession workflowSession, final MetaDataMap metaDataMap)
        throws WorkflowException {
        final Asset asset = getAssetFromPayload(workItem, workflowSession.getSession());
        if (asset != null && isAutoActivated(asset)) {
            try {
                this.replicator.replicate(workflowSession.getSession(), ReplicationActionType.ACTIVATE, asset.getPath());
            } catch (ReplicationException e) {
                LOG.error("failed to activate asset [{}] in payload of workflow [{}]", asset.getPath(), workItem.getWorkflow().getId());
            }
        }
    }
    ...
}
```

DAM АЕМ. Замена ссылок на медиа-сервер

```
public class MediaTransformerServiceImpl implements TransformerFactory, MediaTransformerService {
```

```
private class MediaTransformer extends AbstractTransformer {
```

```
private static final String ATT_NAME = "href";
```

```
private static final String EL_NAME = "a";
```

```
@Override
```

```
public void startElement(final String nsUri, final String localname, final String qName, final Attributes attrs) throws SAXException {
```

```
final AttributesImpl linkAttrs = new AttributesImpl(attrs);
```

```
if (EL_NAME.equalsIgnoreCase(localname)) {
```

```
for (int i = 0; i < linkAttrs.getLength(); i++) {
```

```
if (ATT_NAME.equalsIgnoreCase(linkAttrs.getLocalName(i))) {
```

```
final String pathInLink = linkAttrs.getValue(i);
```

```
if (pathInLink.startsWith(LOCAL_PATH)){
```

```
final String mediaLink = pathInLink.replaceFirst(LOCAL_PATH, MEDIA_PATH);
```

```
linkAttrs.setValue(i, mediaLink);
```

```
LOG.debug("Link {} transformed to {}.", pathInLink, mediaLink);
```

```
}
```

```
}
```

```
}
```

```
}
```

```
super.startElement(nsUri, localname, qName, linkAttrs);
```

```
}
```