

EM Mobile – Cheat sheet

EM Mobile – Useful Curl Commands - POST Operations

Use	Command / Example	Params
Upload HTML Resource	curl -u admin:admin -X POST -F ":operation=dpsapps:uploadHTMLResources" http://localhost:4502/content/mobileapps/geometrixx-unlimited	
Preview/ Preflight	curl -u admin:admin -X POST -F ":operation=dpsapps:preview" http://localhost:4502/content/mobileapps/geometrixx-unlimited	
Publish	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsPublish" -F "entityPaths=/content/mobileapps/geometrixx-unlimited/banners/test/test_9_1452710809021,/content/mobileapps/geometrixx-unlimited/banners/test/test_7_1452710808996" http://localhost:4502/content/mobileapps/geometrixx-unlimited	entityPaths = List of AEM Entity Path
UnPublish	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsUnpublish" -F "entityPaths=/content/mobileapps/geometrixx-unlimited/banners/test/test_9_1452710809021" http://localhost:4502/content/mobileapps/geometrixx-unlimited	entityPaths = List of AEM Entity Path
Import	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsImport" -F "entityType=articles" http://localhost:4502/content/mobileapps/geometrixx-unlimited	entityType=Type to import
Entity Upload	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsUpload" -F "createIfMissing=true" -F "includeContent=true" -F "targetCollection=Hiking" http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/summer-blockbuster-hits-and-misses	createIfMissing includeContent targetCollection
Delete Entity	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsDelete" -F "deleteLocal=false" http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/summer-blockbuster-hits-and-misses	deleteLocal = to delete in AEM
Publish Entity	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsPublish" http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/summer-blockbuster-hits-and-misses	
UnPublish Entity	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsUnpublish" http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/summer-blockbuster-hits-and-misses	
Import Entity	curl -u admin:admin -X POST -F ":operation=dpsapps:dpsImport" http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/summer-blockbuster-hits-and-misses	
Unlink Entity	curl -u admin:admin -X POST -F ":operation=dpsapps:unlink" http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/summer-blockbuster-hits-and-misses	

EM Mobile – Useful GET Operations

Use	Command / Example
Collection Contents getStatuses	http://localhost:4502/content/mobileapps/geometrixx-unlimited/collections/2015.getStatuses.json
Project Entities getStatuses	http://localhost:4502/content/mobileapps/geometrixx-unlimited.getStatuses.json?entityURLs=/publication/6afd2378-95d9-477b-b276-705c930e07b1/collection/July,/publication/6afd2378-95d9-477b-b276-705c930e07b1/article/meet-canada-s-hip-hop-royalty;version=1442847604221
Project getStatus	http://localhost:4502/content/mobileapps/geometrixx-unlimited.getStatus.json
Entity getStatus	http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/meet-canada-s-hip-hop-royalty.getStatus.json
Entitiy getReferences	http://localhost:4502/content/mobileapps/geometrixx-unlimited/collections/July.getReferences.json

AEM Mobile – Debugging Tips

1. Configure Sling Loggers for following

org.apache.http	If you want to see the activity at the wire
com.adobe.dps	To see all the messages related to forming requests to and processing responses from the AEM MoD cloud connections
com.adobe.client.ims	To see the interactions with the authentication layer which is IMS
com.adobe.cq.mobile.dps	To see processing steps in the AEM Mobile bundles related to AEM MoD

2. Key Urls for debugging

Export URLs	http://localhost:4502/content/mobileapps/geometrixx-unlimited/articles/summer-blockbuster-hits-and-misses.article.dpsExport.zip
Export Shared Resource Content	http://localhost:4502/content/mobileapps/geometrixx-unlimited.sharedResources.dpsExport.zip

3. To debug what is uploaded to AEM MoD

- Create a test folder such as TEST
- Export the shared resources and extract the zip into the created folder
- Export and extract any articles zip being tested into the created folder.
- Structure to be as below and then go to browse to view how the upload looks.

```
TEST\
    HTMLResources\ Exported resource files...
    <ARTICLE_1>\ ARTICLE_1.html Other exported article files...
    <ARTICLE_N>\ ARTICLE_N.html Other exported article files...
```

AEM Mobile – JCR Anatomy (Using Geometrixx Example)

Location	Key Items	Notes
/content/mobileapps	All AEM MoD related content for project	
/content/mobileapps/geometrixx-unlimited	AEM Mobile project for project	
/content/mobileapps/geometrixx-unlimited/collections	All AEM Mobile Collections for project	
/content/mobileapps/geometrixx-unlimited/articles	All AEM Mobile Articles for project	
/apps/weTelco/app-templates	AEM MoD App Tempalte for project	
/libs/mobileapps	All AEM Mobile default code	Components, templates etc.
/etc/contentsync/templates/dps-geometrixx-unlimited-app	All Content sync files	This will be all CSS, JS client libs which is to be uploaded to AEM MoD
/etc/cloudservices/mobileservices	Cloud service config for AEM MoD	

AEM Mobile – Key Terms

Term	Description
Project	Project for AEM MoD
Collection	Collection of all the articles. In AEM Commerce terminology – Category/Section for product. Example: Mobile Phones
Articles	Articles in AEM Mobile. In AEM Commerce terminology – Products. Example: Apple iPhone 6S
Banner	Beer to be used for Collections
AEM Mobile PreFlight	App (iPad, iPhone or Simulator) to view the App

CR Properties

Common Properties

PropertyName	Type	Defaults or Expected Values	Desc
dps-id	String		Assigned by AEM MoD and stored by AEM once uploaded to AEM MoD or imported from AEM MoD
dps-resourceType	String	dps:Article dps:Banner dps:Collection	Entity type property
dps-version	String		Version of AEM MoD entity (also contained within the full dps-id)
dps-lastSynced	Date		Date of last sync/import from DPS into AEM
dps-lastUploaded	Date		Date of last upload from AEM to DPS
dps-lastUploadedBy	String		id user that performed the last upload request from AEM to DPS
dps-title	String		Title for AEM MoD
dps-shortTitle	String		Short Title for AEM MoD
dps-abstract	String		Abstract for AEM MoD
dps-shortAbstract	String		Short Abstract for AEM MoD
dps-department	String		Department for AEM MoD
dps-category	String		Category in AEM MoD
dps-keywords	String[]		Keywords for AEM MoD
dps-internalKeywords	String[]		Internal keywords fo AEM MoD
dps-importance	String		Importance for AEM MoD

Entities and Properties

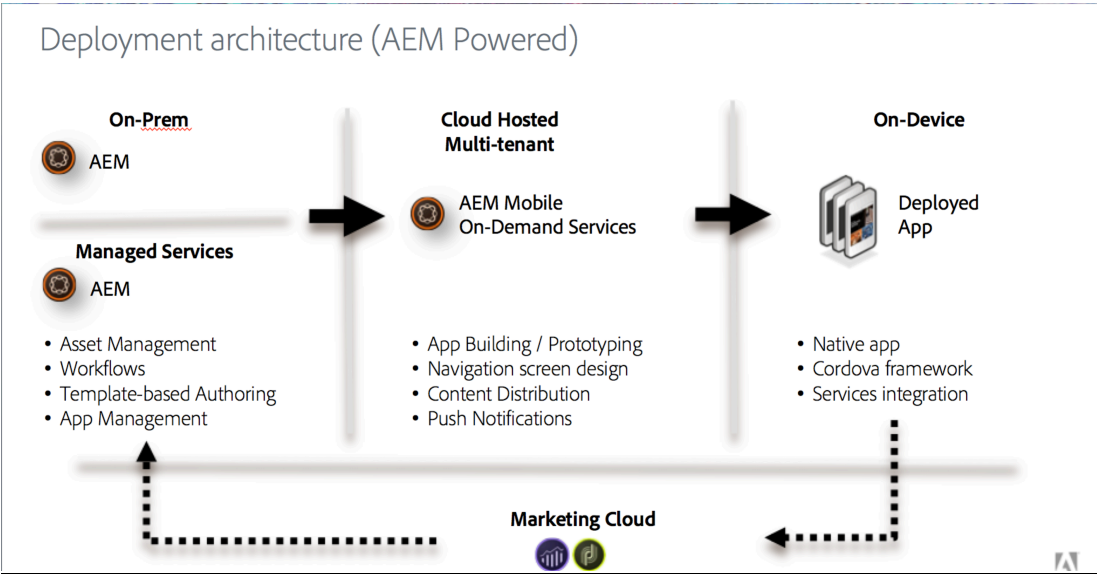
Articles			Banners		
PropertyName	Type	Expected Values	PropertyName	Type	
dps-author	String		dps-tapAction	String	TapAction from {webLink}
dps-authorURL	String		dps-tapActinUrl	String	
dps-hideFromBrows ePage	Boolean		Common Entity Nodes		
dps-access	String	ProtectedAccess from {"protected", "metered", "free"}	PropertyName	Type	Expected Values
Social			dps-isAdvertisement	Boolean	
dps-socialShareURL	String		dps-adCategory	String	
dps-articleText	String		dps-adType	String	AdType from {"static", "eft"}
dps-url	String		dps-advertiser	String	

Collections		
PropertyName	Type	Defaults or Expected Values
dps-productId	String	
dps-readingPosition	String	from {"reset", "retain"}
dps-horizontalSwipe	Boolean	
dps-allowDownlaod	Boolean	
dps-openDefault	String	from {"browsePage", "contentView"}
dps-layout	String	

JCR Content Nodes

Common	
Node Name	Type
image	jcr:primaryType=nt:unstructured sling:resourceType=foundation/components/image
Articles	
Node Name	Type
social-share-image	jcr:primaryType=nt:unstructur ed sling:resourceType=foundatio n/components/image
Collections	
Node Name	Type
backgro und-image	jcr:primaryType=nt:unstructured sling:resourceType=foundation/co mponents/image

AEM Mobile Deployment Architecture



AEM Mobile – References

- <https://aemmobile.adobe.com/signin/index.html>
- <https://helpx.adobe.com/digital-publishing-solution/topics.html>
- <http://blogs.adobe.com/aemmobile/>
- <https://docs.adobe.com/docs/en/aem/6-1/develop/mobile-apps/apps.html>