



AEM Technical Sneak Peek

@JustinEdelson, AEM Evangelist
@GabrielWalt, Product Manager



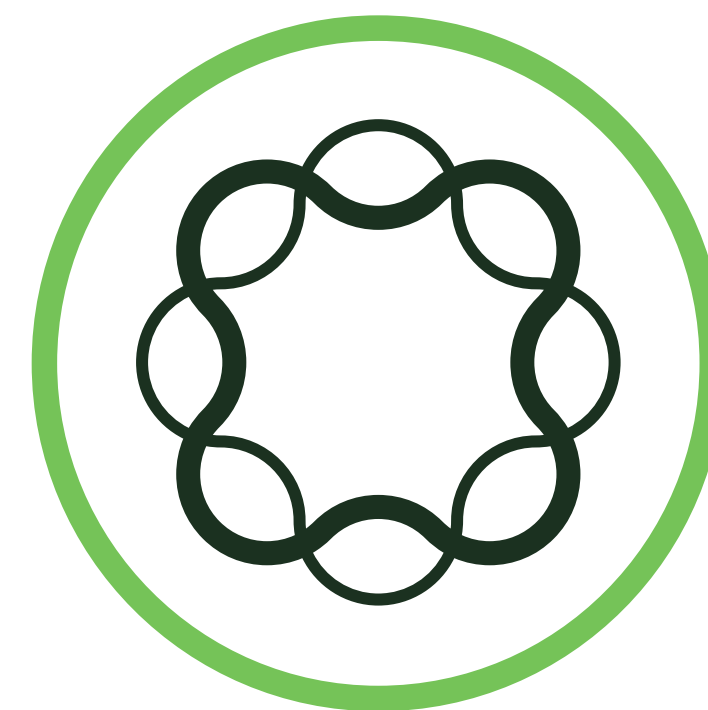
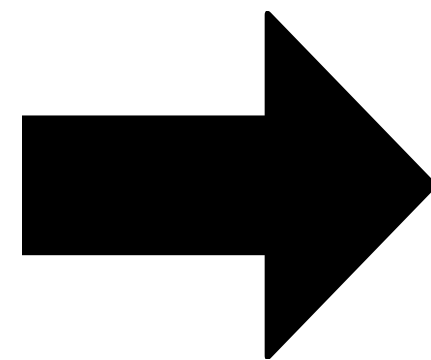
#0 Design to Components



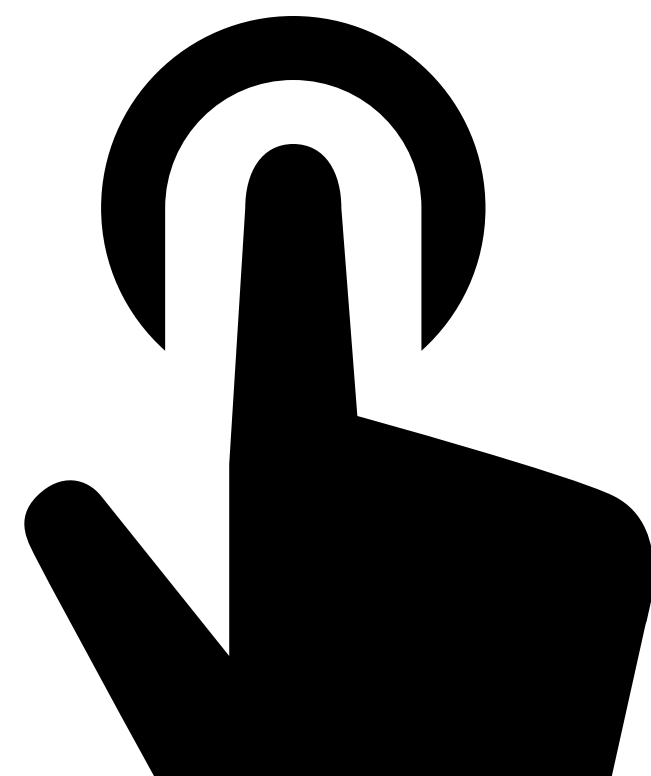
Design to Components



Efficiently create AEM components from Photoshop files.



Demo





#1 Jackrabbit Oak Innovations



Jackrabbit Oak Innovations



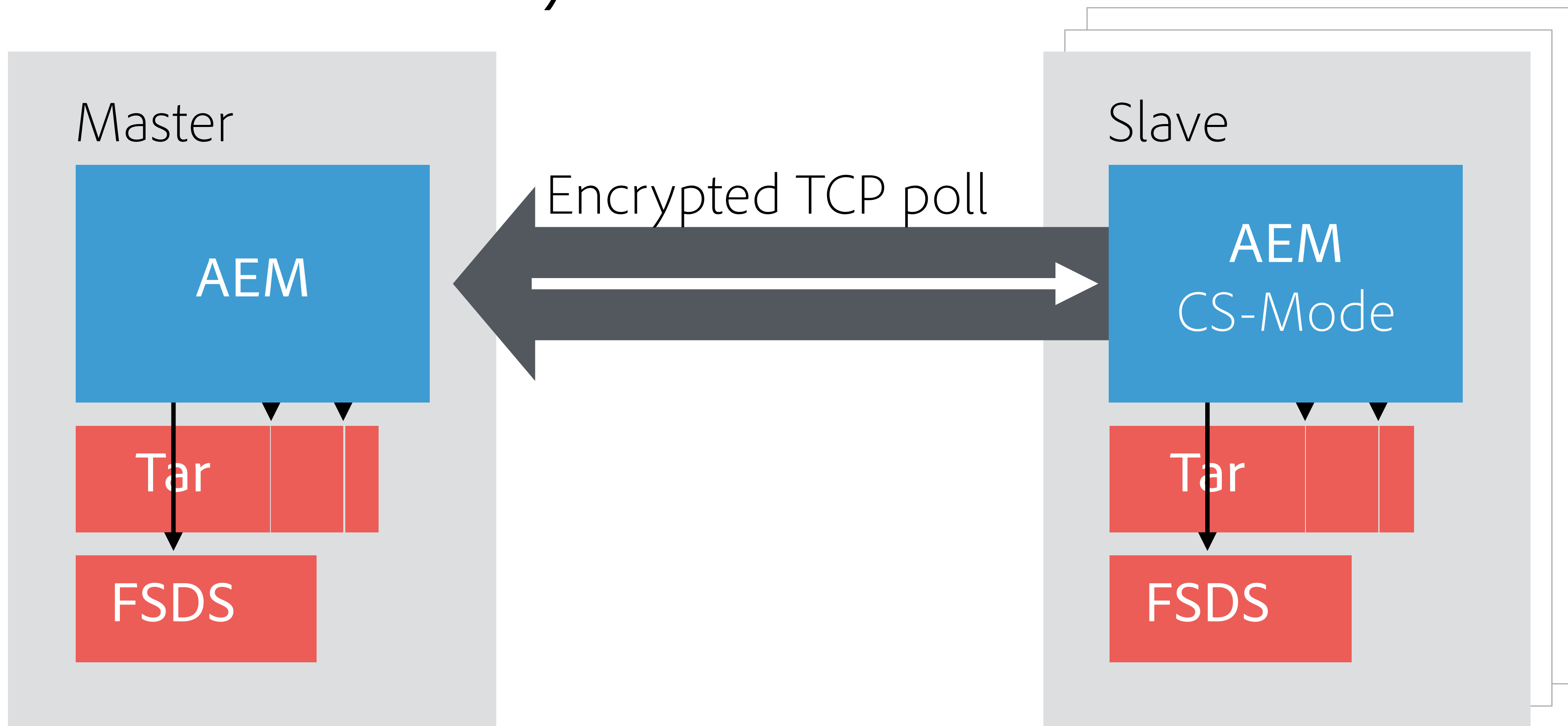
- Oak RDBMS Persistence
- TarMK Cold Standby



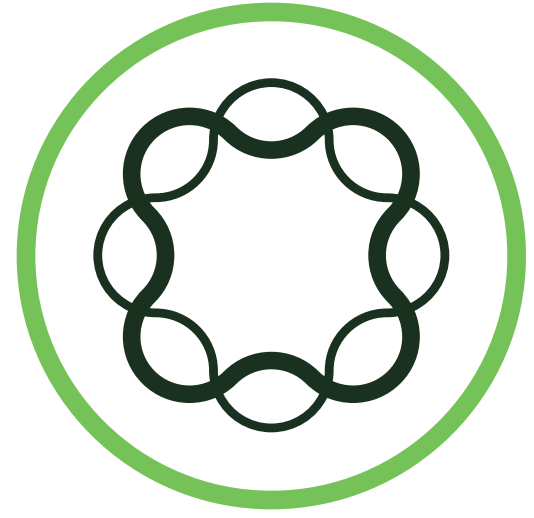
Jackrabbit Oak Innovations



TarMK Cold Standby



#2 Dialog Conversion Tool

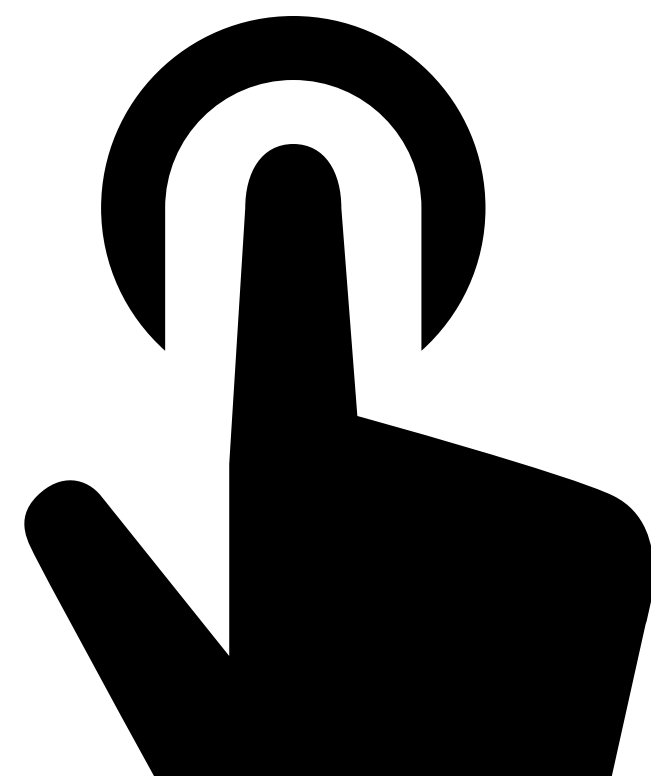


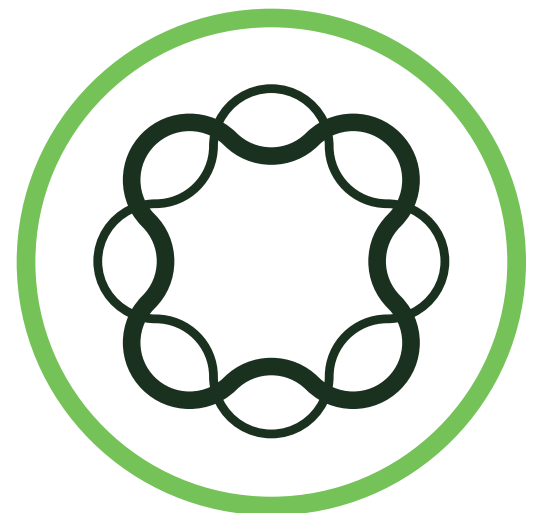
Dialog Conversion Tool



- Converts ExtJS Classic UI dialogs to Granite UI
- Imperfect
- Configurable & Extensible

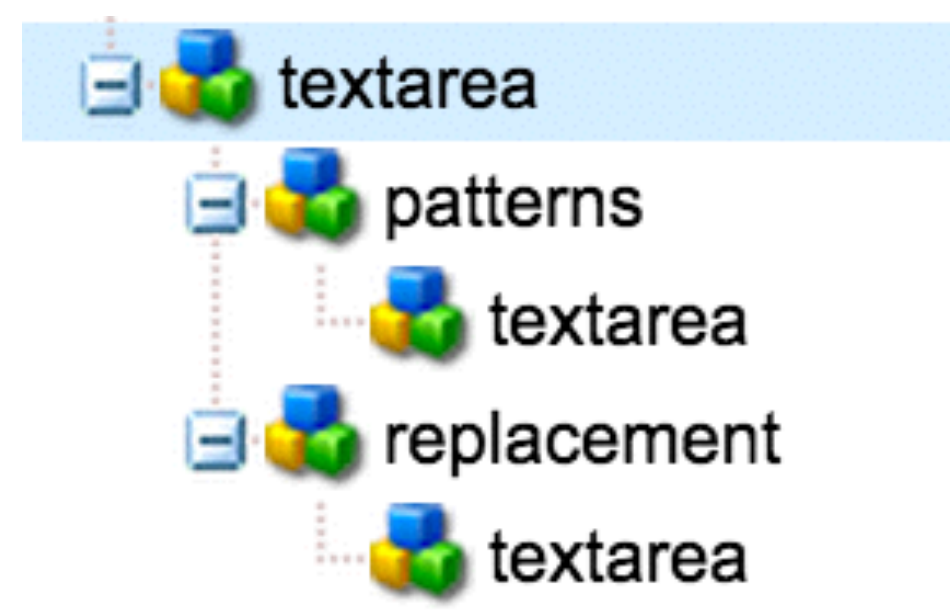
Demo





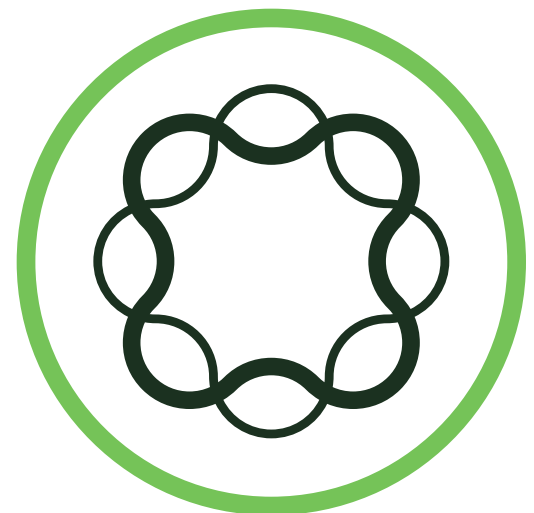
Dialog Conversion Tool

Rules: default in /libs/cq/dialogupgrade/rules



	Name ▲	Type	Value
1	jcr:primaryType	Name	cq:Widget
2	xtype	String	textarea

	Name ▲	Type	Value
1	disabled	String	\${./disabled}
2	emptyText	String	\${./emptyText}
3	fieldDescription	String	\${./fieldDescription}
4	fieldLabel	String	\${./fieldLabel}
5	jcr:primaryType	Name	nt:unstructured
6	maxlength	String	\${./maxLength}



Dialog Conversion Tool



Code: implement DialogRewriteRule service interface

```
public class CustomRule extends AbstractDialogRewriteRule {

    private static final String PRIMARY_TYPE = "cq:Widget";
    private static final String XTYPE = "my-custom-xtype";

    public boolean matches(Node root) throws RepositoryException {
        return hasPrimaryType(root, PRIMARY_TYPE) && hasXtype(root, XTYPE);
    }

    public Node applyTo(Node root, Set<Node> finalNodes) throws DialogRewriteException, RepositoryException {
        // save reference to parent node and node name
        Node parent = root.getParent();
        String name = root.getName();

        // rename the root of the tree to rewrite
        renameToTemp(root);

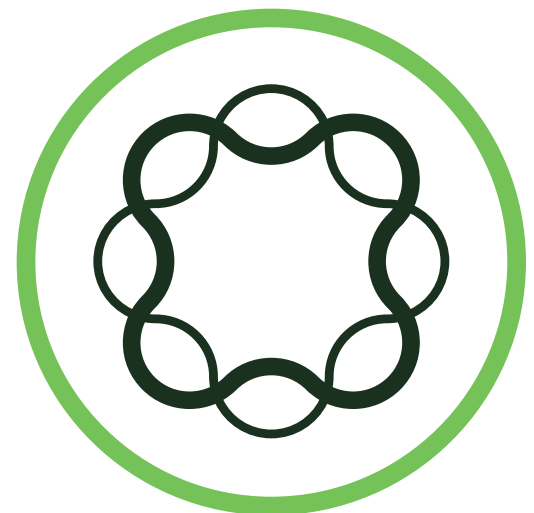
        // add a new root with the same name as the original tree
        Node newRoot = parent.addNode(name, "nt:unstructured");

        // build the new tree, based on the original one

        // remove old root and return new one
        root.remove();
        return newRoot;
    }
}
```



#3 Sling Resource Merger



Sling Resource Merger



Introduced
in AEM 6.0

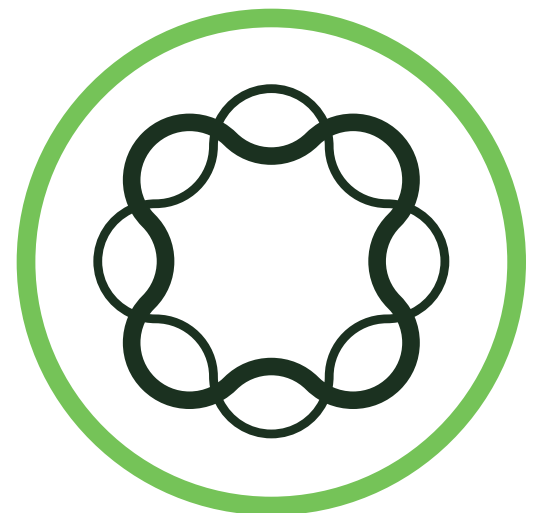
`/mnt/overlay`

Based on Search Path (/libs + /apps)

New!

`/mnt/override`

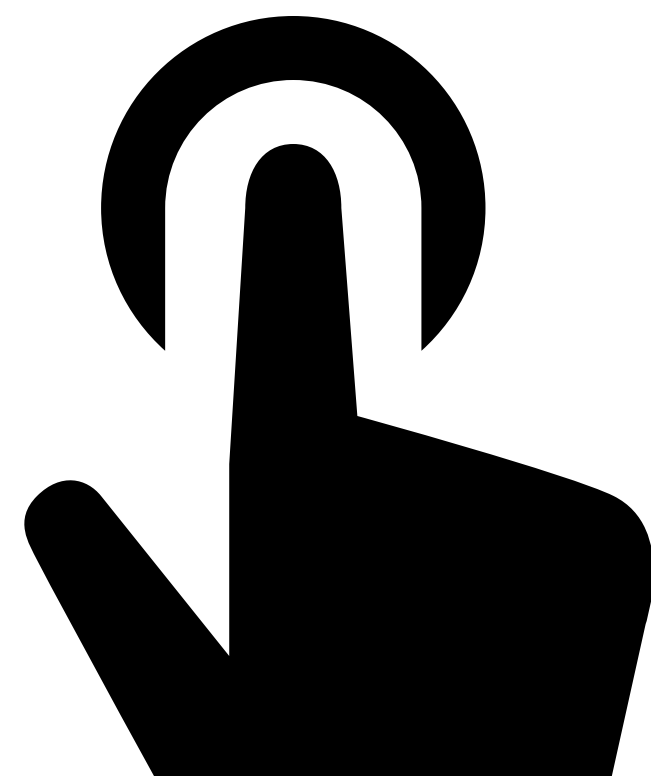
Based on Resource Type Hierarchy



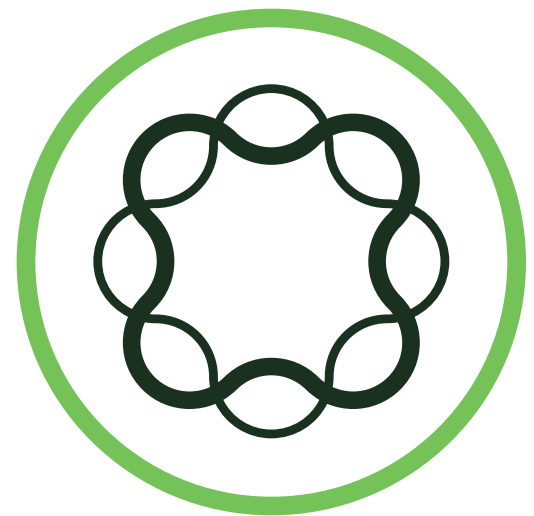
Sling Resource Merger Math


$$\begin{aligned} & /mnt/override/apps/geometrixx/components/list/cq:dialog \\ & = \\ & \quad /apps/geometrixx/components/list/cq:dialog \\ & \quad + \\ & \quad /libs/foundation/components/list/cq:dialog \\ & \quad + \\ & \quad /libs/foundation/components/parbase/cq:dialog \end{aligned}$$

Demo



#4 Search Predicates

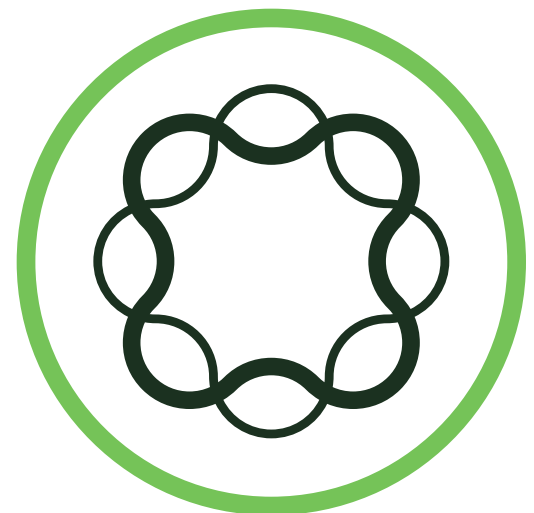


Search Predicates



The screenshot displays the Adobe Experience Manager interface. On the left is a navigation sidebar with categories: Adobe Marketing Cloud, Experience Manager, Projects, Sites, Apps, Publications, Forms, Assets, Personalization, and Communities. The main content area is titled 'Sites' and includes a search bar with the text 'Enter Keyword(s)', a 'Select Search Directory' dropdown, and a 'Select Tag(s)' dropdown. Below these are filter options for 'Modified Date', 'Page Status', and 'Analytics Filters'. The search results are shown in a grid view, featuring a preview of the Geometrix website with the headline 'READY FOR ADVENTURE' and a 'LIVE COPY Geometrix Outdoors Mobile Site' card. A large hand icon with a pointing finger is overlaid on the bottom center of the interface.

#5 More Innovations



More Innovations



- **Target & Analytics Integrations**
Initial setup of Target & Analytics simplified through opt-in wizard.
Page name resolver to define id for mapping with Analytics reporting.
Using the out-of-the-box mbox.js from Target without customization.
- **Campaign Integration**
Dynamic Media for personalized images & CDN delivery.
Segmentation Engine for targeted content.
- **Social Resource Provider**
Abstracted persistence layer for Adobe Social, Mongo, and JCR.
- **Apps console**
Management of updates and preview through PhoneGap Enterprise app viewer.

Want to learn more?



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AEM

- The New AEM Developer
- Lab: AEM Developer Toolbox to improve Project Efficiency
- Lab: 5 Silver Bullets for AEM Project Success
- Lab: AEM6 Commerce Integration Framework
- Lab: Integration with the Adobe Marketing Cloud
- Lab: Implement a DPS Storefront in AEM

Mobile

- Mobile app development and content management with AEM
- Lab: A PhoneGap Enterprise Introduction for Developers
- Lab: Accelerate your app marketing with Adobe Mobile services
- Lab: In-store Experience and Location Aware Services



Adobe