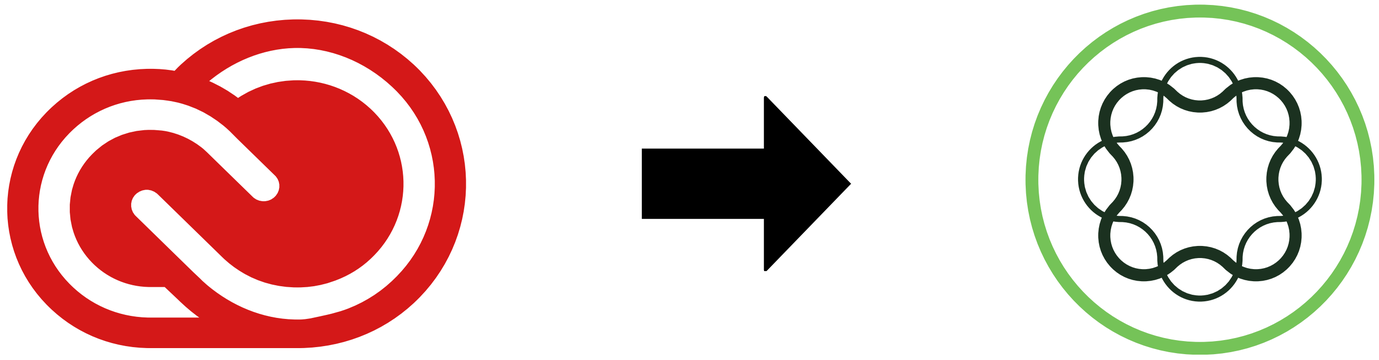
AEM Technical Sneak Peek

@JustinEdelson, AEM Evangelist
@GabrielWalt, Product Manager

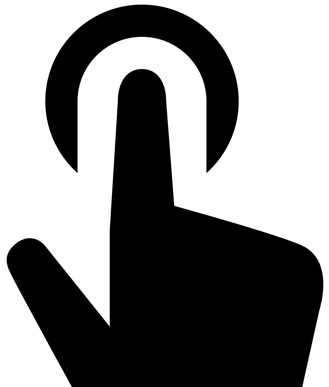
#0 Design to Components

Design to Components

Efficiently create AEM components from Photoshop files.



Demo



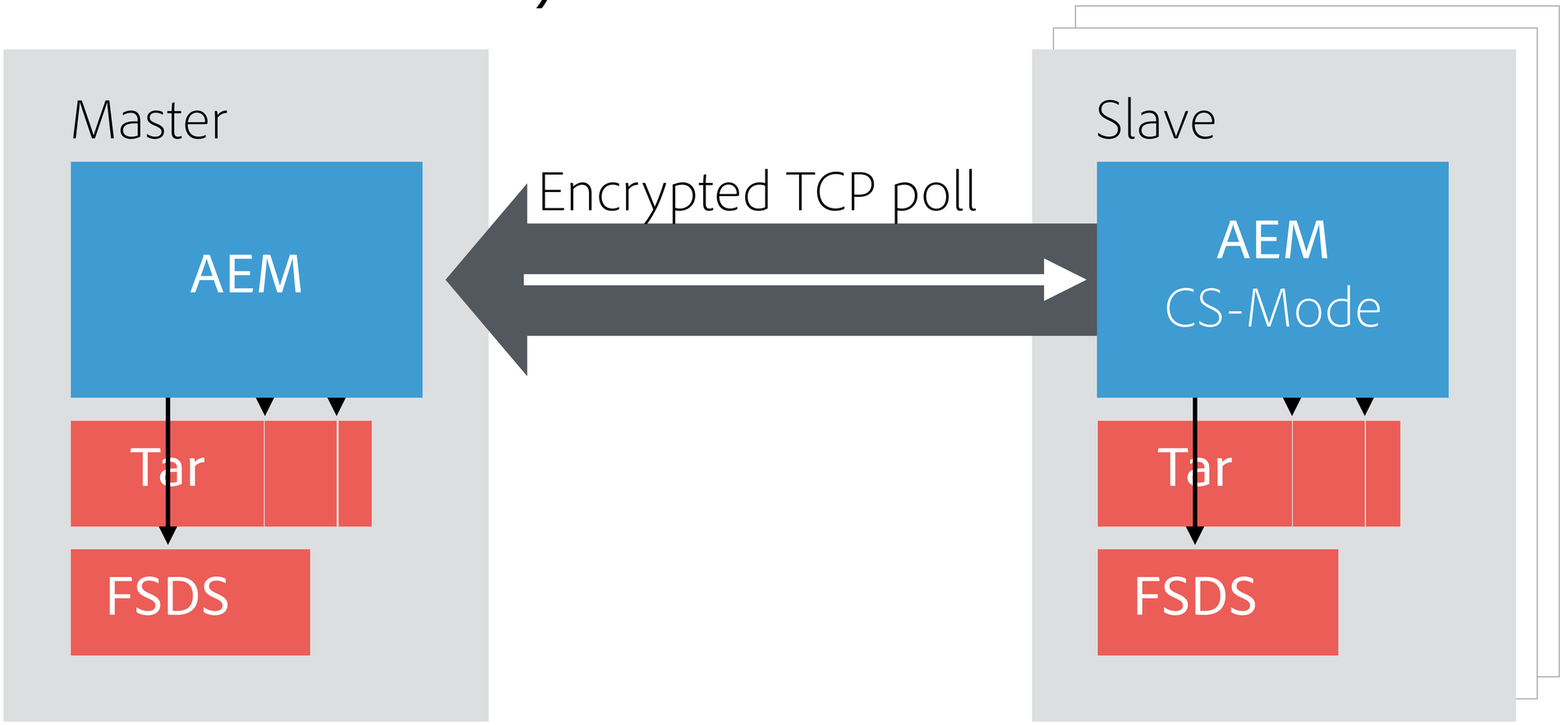
#1 Jackrabbit Oak Innovations

Jackrabbit Oak Innovations

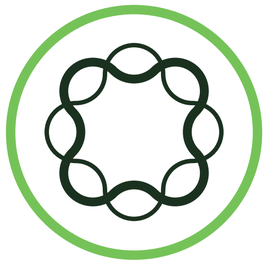
- Oak RDBMS Persistence
- TarMK Cold Standby

Jackrabbit Oak Innovations

TarMK Cold Standby



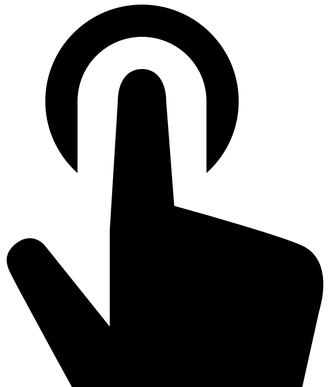
#2 Dialog Conversion Tool

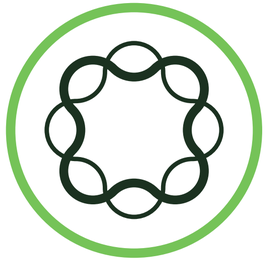


Dialog Conversion Tool

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

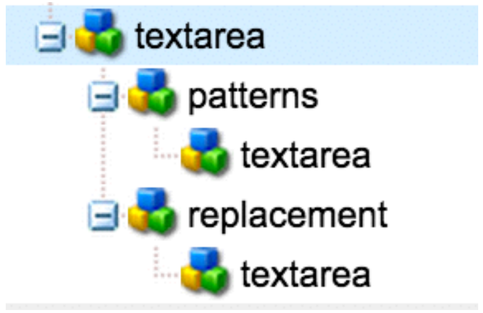
Demo





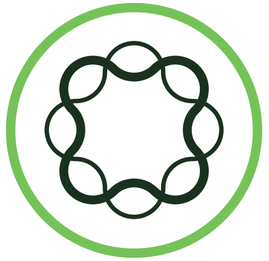
Dialog Conversion Tool

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}

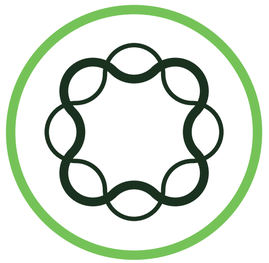


Dialog Conversion Tool

Code: implement DialogRewriteRule service interface

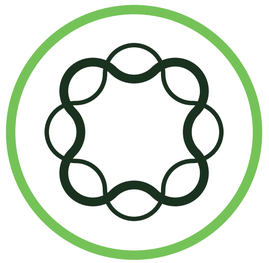
```
public class CustomRule extends AbstractDialogRewriteRule {

    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

/mnt/override/apps/geometrixx/components/list/cq:dialog

=

/apps/geometrixx/components/list/cq:dialog

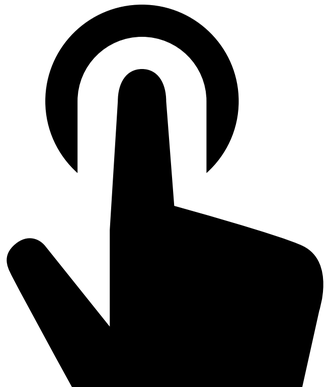
+

/libs/foundation/components/list/cq:dialog

+

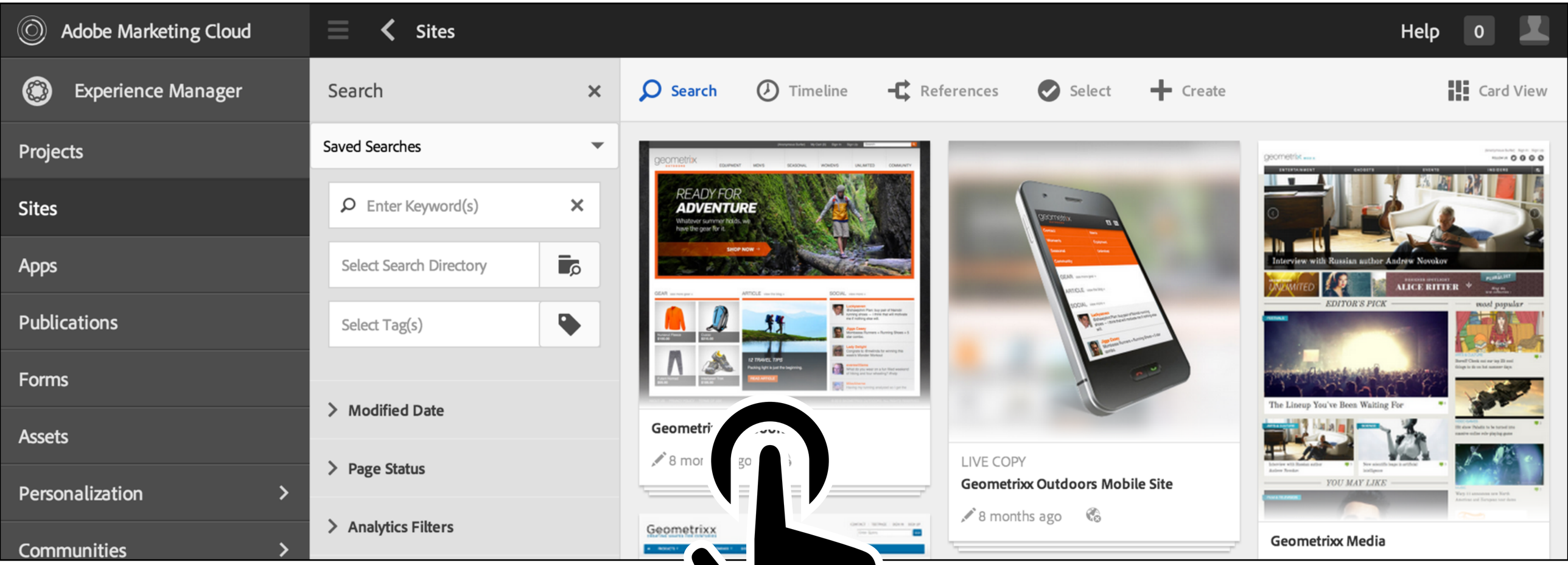
/libs/foundation/components/parbase/cq:dialog

Demo



#4 Search Predicates

Search Predicates



#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?

SUMMIT
THE DIGITAL MARKETING CONFERENCE

March 9–13, 2015 | Salt Lake City, UT

Adobe

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