

Content Components



Tyler Maynard

AEM DEVELOPER

@TylersDesk www.tylermaynard.com



Overview



Component requirements

Create StockPlex component

Provide backend logic

Build out dialog box

Client libraries

Extend component dialogs

Integrate live data



Understanding the Component Lifecycle

Adobe Experience Manager



HTML

CSS

JS

Browser



StockPlex Component Requirements

**Return stock
information**

**Fits in with the
website design**

Author input

**Optionally display
content**

**Allows the user to
download stock
history**

**Dragged into the
responsive grid**



Due to environment
constraints our component
will use canned data.



Demo



Create the initial StockPlex component

Setup for use in responsive grid

Enable the StockPlex component

Drag StockPlex onto page



Adding Backend JavaScript to StockPlex



Demo



Add data-sly-use HTL logic

Add backend JavaScript



Building the StockPlex Dialog Box



Demo



Create dialog input for stock symbol

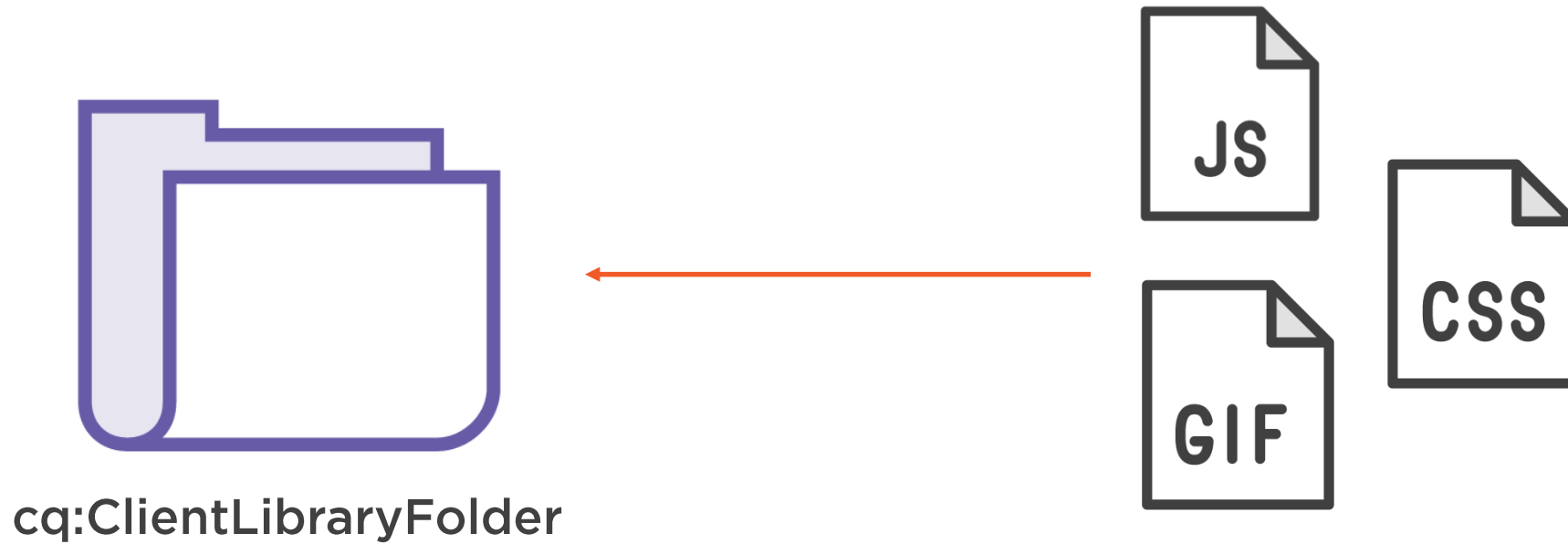
Update rendering script



Client Libraries in AEM



Client/HTML Libraries



Client Library Conventions



jcr:primaryType → cq:ClientLibraryFolder
categories → ['unique.identifer']
dependencies → ['dependency1, dependency2']
embed → ['embed1,embed2,embed3']

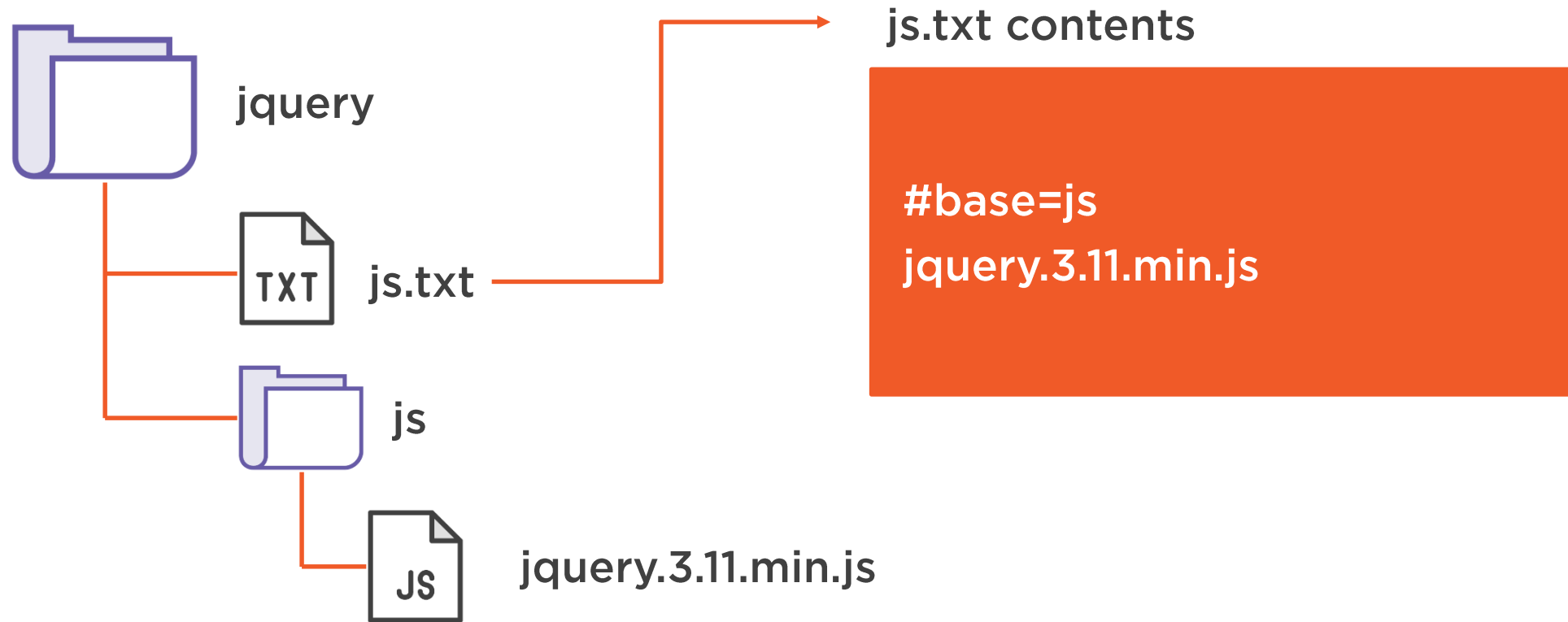
Including Client Libraries

```
data-sly-use.clientLib=/libs/granite/sightly/template/clientlib.html
```

```
data-sly-call="$${clientlib ...}
```



Client Library Conventions



Including Client Libraries with HTL

clientlib.all

clientlib.js

clientlib.css



Adding Client Libraries to StockPlex



Demo



Create client library

Add CSS and JS to client library

Include client library



Checking for Client Libraries



Demo



Using the dumplib console

Checking clientlibs with developer console



Extending the StockPlex Dialog box



Demo



Add additional dialog options

Update rendering script and backend JS

Add design dialog to StockPlex



Integrate StockPlex with Live Data



Demo



Upload and install backend package

Investigate the package content

Permission the service user

Modify stockplex.js to use imported data



Summary



Created StockPlex component

StockPlex dialog boxes

Client libraries

Integrated Stockplex with live data

