



# AEM 6 Developer Mode

Debugging and Testing tools to ease customer Application development



# AEM 6 – Developer Mode

- **Introduction**
  - Initiative to bring advanced development tools directly inside AEM
  - Located in AEM Authoring (*Developer Mode* layer)

# AEM 6 – Developer Mode

## DISCOVER

WHAT ARE MY PAGES  
COMPOSED OF



## DEBUG

HOW CAN I SOLVE ISSUES



## TEST

DOES MY APPLICATION  
BEHAVE AS EXPECTED



## **DISCOVER**

**WHAT ARE MY PAGES COMPOSED OF  
?**

# DISCOVER – What are my pages composed of ?

**DEMO**

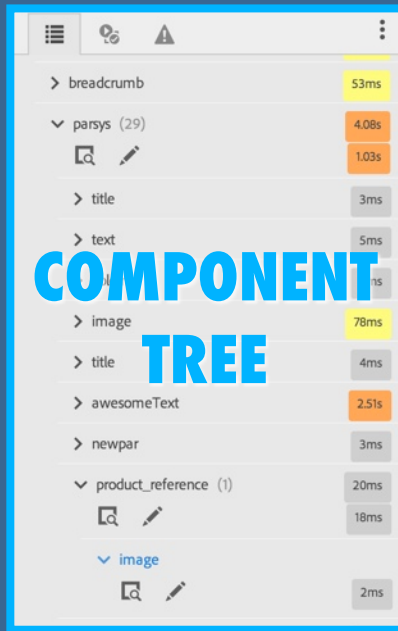
# DISCOVER – What are my pages composed of ?

- **Component Tree**
  - Tree of components used in the page
  - Contextual / Interactive
  - Component Details (path in the repository, scripts)
  - Edit scripts directly in CRXDE Lite

# AEM 6 – Developer Mode

## DISCOVER

WHAT ARE MY PAGES  
COMPOSED OF



**COMPONENT TREE**

Component	Render Time
breadcrumb	53ms
parsys (29)	4.08s
title	3ms
text	5ms
image	78ms
title	4ms
awesomeText	2.51s
newpar	3ms
product_reference (1)	20ms
image	2ms

## DEBUG

HOW CAN I SOLVE ISSUES



## TEST

DOES MY APPLICATION  
BEHAVE AS EXPECTED



# DEBUG

**HOW CAN I SOLVE ISSUES  
?**



# DEBUG – How can I solve issues ?

**DEMO**

# DEBUG – How can I solve issues ?

- **Component Tree**

- Server side computation time per component
- Understand/Improve page loading time by finding slow/heavy components
- Contextual

- **Error Notifier**

- Broken components listed directly in Developer Mode panel
- Contextual / Interactive
- Error details (easy access to code of broken components)

# AEM 6 – Developer Mode

## DISCOVER

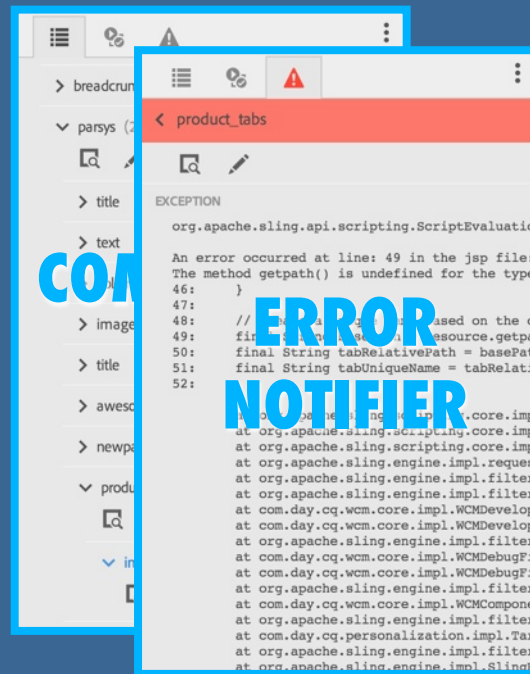
WHAT ARE MY PAGES  
COMPOSED OF



The screenshot shows the Component Tree interface in AEM Developer Mode. It displays a hierarchical list of components on a page, including breadcrumb, parsys (29), title, text, image, awesomeText, newpar, and product\_reference (1). Each component is accompanied by a search icon, an edit icon, and a performance indicator (e.g., 53ms, 4.08s, 1.03s, 3ms, 5ms, 78ms, 4ms, 2.51s, 3ms, 20ms, 18ms, 2ms). The text "COMPONENT TREE" is overlaid in large blue letters.

## DEBUG

HOW CAN I SOLVE ISSUES



The screenshot shows the Error Notifier interface in AEM Developer Mode. It displays a stack trace for an exception that occurred in a JSP file. The error message is "An error occurred at line: 49 in the jsp file: The method getPath() is undefined for the type". The stack trace includes the following code snippets:

```
46: }
47:
48: // ... based on the c
49: final String tabRelativePath = basePat
50: final String tabUniqueName = tabRelati
51:
52:
```

The text "ERROR NOTIFIER" is overlaid in large blue letters.

## TEST

DOES MY APPLICATION  
BEHAVE AS EXPECTED



# TEST

**DOES MY APPLICATION BEHAVE AS EXPECTED**

**?**

# TEST – Does my application behave as expected ?

**DEMO**

# TEST – Does my application behave as expected ?

- **Test Panel**

- Write/Execute tests directly in AEM
- Hobbes.js Functional UI Testing Framework
- Smart Actions
- jUnit Flavor
- Custom Action

# AEM 6 – Developer Mode

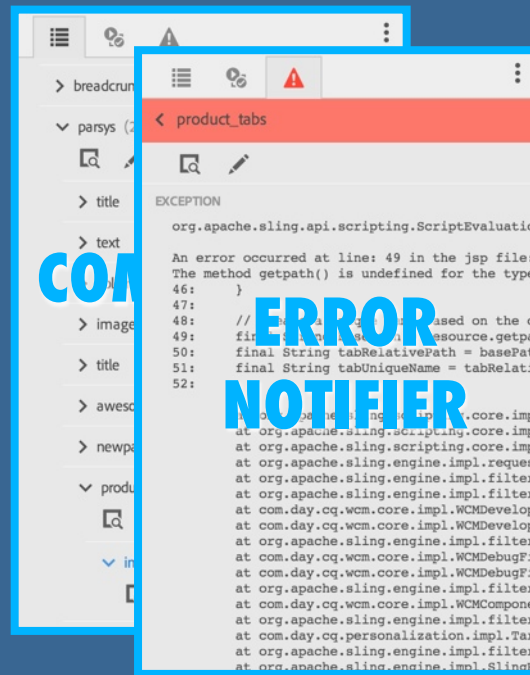
## DISCOVER

WHAT ARE MY PAGES COMPOSED OF



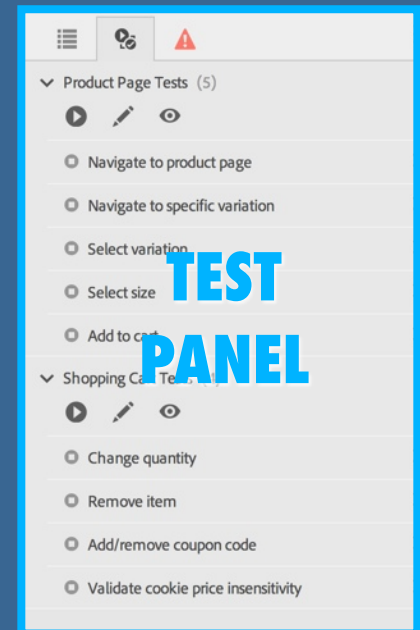
## DEBUG

HOW DO I SOLVE ISSUES IN MY APPLICATION



## TEST

HOW DO I TEST THAT MY APPLICATION BEHAVES AS EXPECTED



**Q & A**