

# Introduction to HTL

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**Tyler Maynard**

AEM DEVELOPER

@TylersDesk [www.tylermaynard.com](http://www.tylermaynard.com)



# Overview



Define HTL

HTL syntax

Using APIs in page-rendering scripts

Modularize page components



# HTML Template Language (HTL)

Templating language developed by Adobe to offer a highly productive enterprise-level web framework that increases security, and allows HTML developers without Java knowledge to better participate in AEM projects.



# Reasons to Use HTL



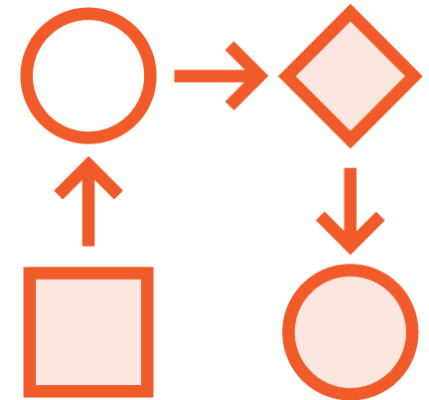
HTML5



Separation of  
concerns



Secure



Compatibility

# Goals of HTL



**Simplified development**



**Security**



# Comparing HTL to JSP – JSP Example

```
<a href='<%=  
xssAPI.getValidHref(properties.get("link", "#")) %>'>  
    <%  
        String title = properties.get("jcr:title", "");  
        if (title.length() > 0 ) {  
            %>title="<% xssApi.encodeForHTML(title) %>"<%  
        }  
    %>  
</a>
```



# Comparing HTL to JSP – HTL Example

```
<a href="${properties.link || '#'}">  
    ${properties.jcr:description}  
</a>
```



# HTL Syntax

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# Block Statements and Expressions

data-sly-\*

**Block statements**

\${ }

**Expressions**



# HTL Examples

## Comment Example:

```
<!--/* An HTL Comment */-->
```

## Expression Example:

```
${true}, ${42}, ${properties.text}
```



# More HTL Examples

## Options Example:

URI Manipulation

```
${'example.com/path/page.html' @ scheme='http' }
```

## Enumerable objects:

pageProperties, properties, inheritedPageProperties



# Block Statement Examples

## Sly Tag:

```
<sly data-sly-test.varone="${properties.yourProp}" />
```

## Use:

```
<div data-sly-use.nav="navigation.js">${nav.foo}</div>
```



# More Block Statement Examples

## Unwrap:

```
<div data-sly-unwrap>  
    <p>I'm still rendered.</p>  
</div>
```

## List:

```
<dl data-sly-list="{currentPage.listChildren}">
```



Use the HTL  
documentation and  
useful links.



# Rending Basic Page Content

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# Globally Available Objects

## Enumerable

properties

pageProperties

inheritedPageProperties

## Java Backed

component

currentDesign

currentPage

currentSession

request – response

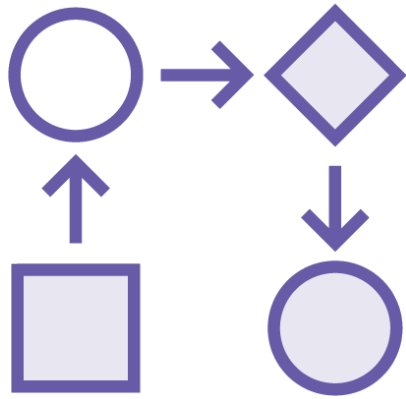
resource

wcmmode





# Global Objects - Enumerable and Java Backed

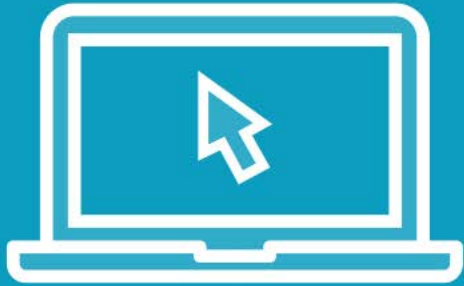


Enumerable



Java backed

# Demo



Update contentpage rendering script

The properties, pageProperties and  
currentNode objects

View rendered HTL pages

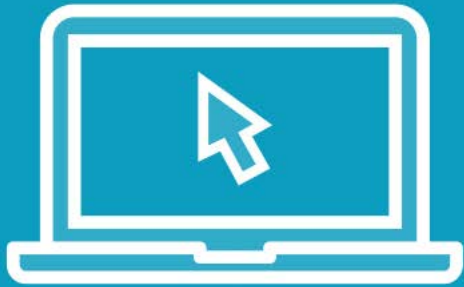


# Modularize Page Components

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# Demo



Add script parts

Add HTL markup

Update default rendering script



# Summary



**Defined HTL**

**HTL syntax**

**Modularized HTL components**

