



# Polymer

Duration 2 day(s) (POLYMER-01)

## Polymer and the Web Components

### Description

With the multiplication of frameworks to create its own components, we often forget that it is possible to do the same thing by limiting itself to Web standards. The different specifications of the Web Components will allow us to create our own HTML elements and to interact with them. In order to limit the use of these low level standards, we will use the Polymer library, initiated by Google.

### Goals

- Discover the new HTML5 standards
- Creating new HTML elements
- Develop a rich application

### *Public*

- Web developer

### *Prerequisites*

- JavaScript - NodeJS ecosystem

### *Structure*

40% Theory, 60% Practice

## Program

# The Web Components

- Custom Elements
- Templates
- HTML Imports
- Shadow Dom
- Libraries: Polymer, X-Tag, SkateJS ...

## Polymer CLI

## Tests

## Elements

- Properties
- Methods
- Data Binding
- Manipulation of the DOM
- Styles

## Predefined elements

- dom-repeat
- dom-if
- Polymer component catalog: iron-ajax, app-layout, iron-icons, ...

## Behaviors

## Event Management

## Routing

## Localization