



# PolyGerrit Preview

Gerrit User Summit 2015

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# Disclaimer

- I am not Andy Bons



# PolyGerrit: New Polymer UI

# Why a UI Refresh?

- Current UI shows lots of info
  - Can feel a little “designed by committee”
- Never had real UX design

# Why Not GWT?

- Can't get UX designers to work with it
  - “Just give us some mockups” is not how they work
- We're getting sick of the build process
- Temptation to tightly couple UI and server

# Polymer

# What Is Polymer?

- Web Components

```
<dom-module id="mytag">  
  <style>  
    p { text-decoration: blink; }  
  </style>  
  
  <template>  
    <p>This content goes in &lt;mytag&rt;</p>  
  </template>  
</dom-module>
```

<https://www.polymer-project.org/1.0/docs/start/quick-tour.html>

# What Is Polymer?

- Data Bindings

```
<dom-module id="name-tag">
  <template>
    This is <b>{{owner}}</b>'s name-tag element.
  </template>
```

```
<script>
  Polymer({
    is: "name-tag",
    ready: function() {
      this.owner = "Daniel";
    }
  });
</script>
</dom-module>
```

<https://www.polymer-project.org/1.0/docs/start/quick-tour.html>



# What Is Polymer?

- Polyfills
  - Fill in rough parts of the API landscape
  - Over time, more functionality becomes native

# Why Polymer?

- Composable
- Static
- Standards!
  - Native support
  - Performance

# Why Polymer?

- Maps closely to DOM

```
<html lang="en">
  ▶ <head>...</head>
  ▼ <body>
    ▼ <gr-app constrained>
      ▶ <header role="banner" class="style-scope gr-app">...</header>
      ▼ <main class="style-scope gr-app">
        ▶ <template is="dom-if" class="style-scope gr-app">...</template>
        ▼ <gr-change-view class="style-scope gr-app">
          <iron-ajax id="detailXHR" handle-as="text" debounce-duration="300"
            class="style-scope gr-change-view" hidden></iron-ajax>
          <iron-ajax id="commentsXHR" handle-as="text" debounce-duration="300"
            class="style-scope gr-change-view" hidden></iron-ajax>
          ▼ <div class="container style-scope gr-change-view">
            <h2 class="style-scope gr-change-view">Fix Incorrect owner group
              matching behaviour for creating projects</h2>
            ▶ <div class="changeInfo style-scope gr-change-view">...</div>
            ▶ <div class="summary style-scope gr-change-view">...</div>
            ▶ <gr-file-list class="style-scope gr-change-view">...</gr-file-list>
            ▶ <gr-messages-list class="style-scope gr-change-view">...</gr-messages-
              list>
```

# Why Polymer?

- Easier to recruit FE talent
  - No 10-foot pole required

# Demo Time!

# Coming Soon

# Risks

- Core team is Java/GWT
- Standards are not finalized
  - Dropping IE9
- Preserve existing plugins

# Tentative Roadmap

- Initial [commit](#) during hackathon this week
- 2015Q4: Live on googlesource.com
- Slightly later: real users
- 2016:
  - Feature parity with existing UI
  - Kill GWT
- ...: UX improvements & features



# Discussion