CS 5410

Intro to Dynamic Loading ...of code and content...

Dynamic Loading

http://www.cross-code.com

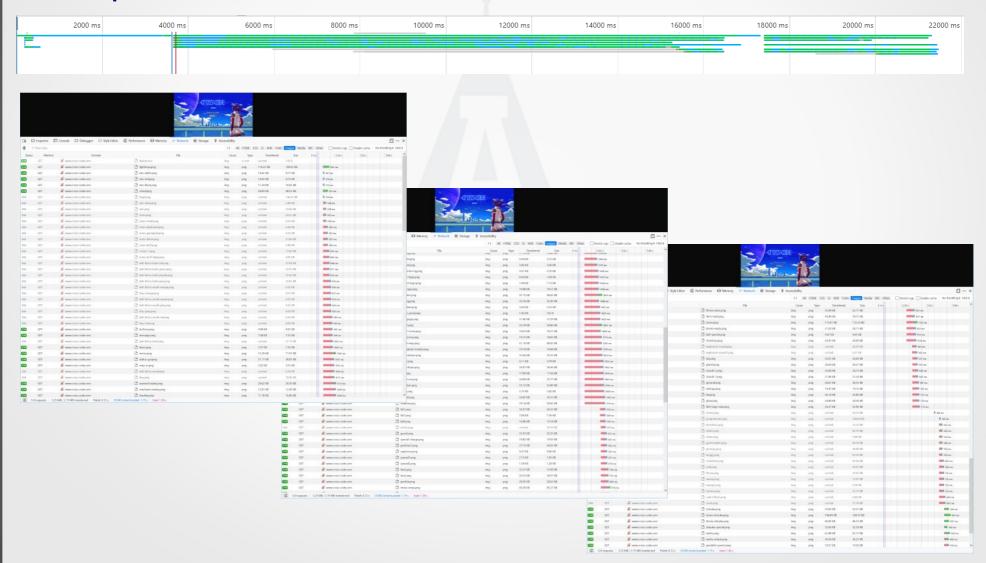
Dynamic Loading – Fixed It For You

http://www.cross-code.com



Dynamic Loading

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Components

- Simple Node.js Server
- RequireJS (https://requirejs.org/)
 - Loading of JS code
 - Utilizes HTML5 data-* attribute
- Custom client code to request content
 - Use low-level XMLHttpRequest()
- Client JS code to request code and content
 - code : JavaScript
 - content : images, audio, text, json, other...

index.html

RequireJS – Loading Code

Loading Assets - Custom

```
let xhr = new XMLHttpRequest();

xhr.open('GET', '/asset/image.png', true);
xhr.responseType = 'blob';

xhr.onload = function() {
    ...create appropriate object type, Image or Audio...
}

xhr.send();
```

Loading Assets - Custom

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```
loadAsset(
   '/assets/fire.png',
   function(asset) {
      MyGame.assets['fire'] = asset;
   },
   function(error) {
      console.log('error: ', error);
   }
);
```