

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## Taking Firefox Screenshots Testing Suite to 11

### The Capstone Experience

Team Mozilla

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*From Students...  
...to Professionals*

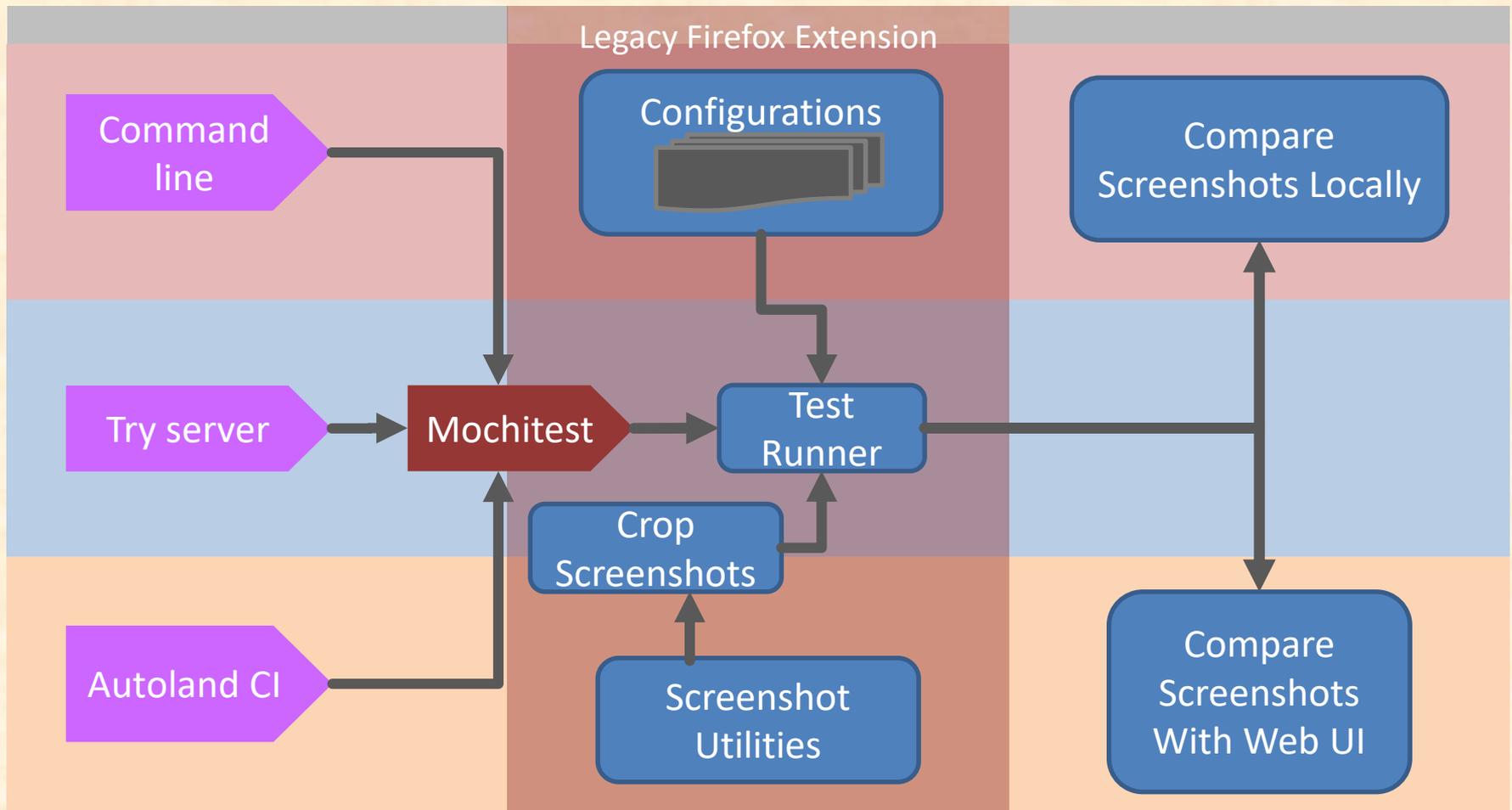
# Project Overview

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- Mozilla's Screenshot Testing Suite assists developers in catching visual bugs
- Our contributions will allow developers to only test parts of the UI that are pertinent to their work
- Developers will not be bombarded with irrelevant alerts
- The goal is to mature the tool

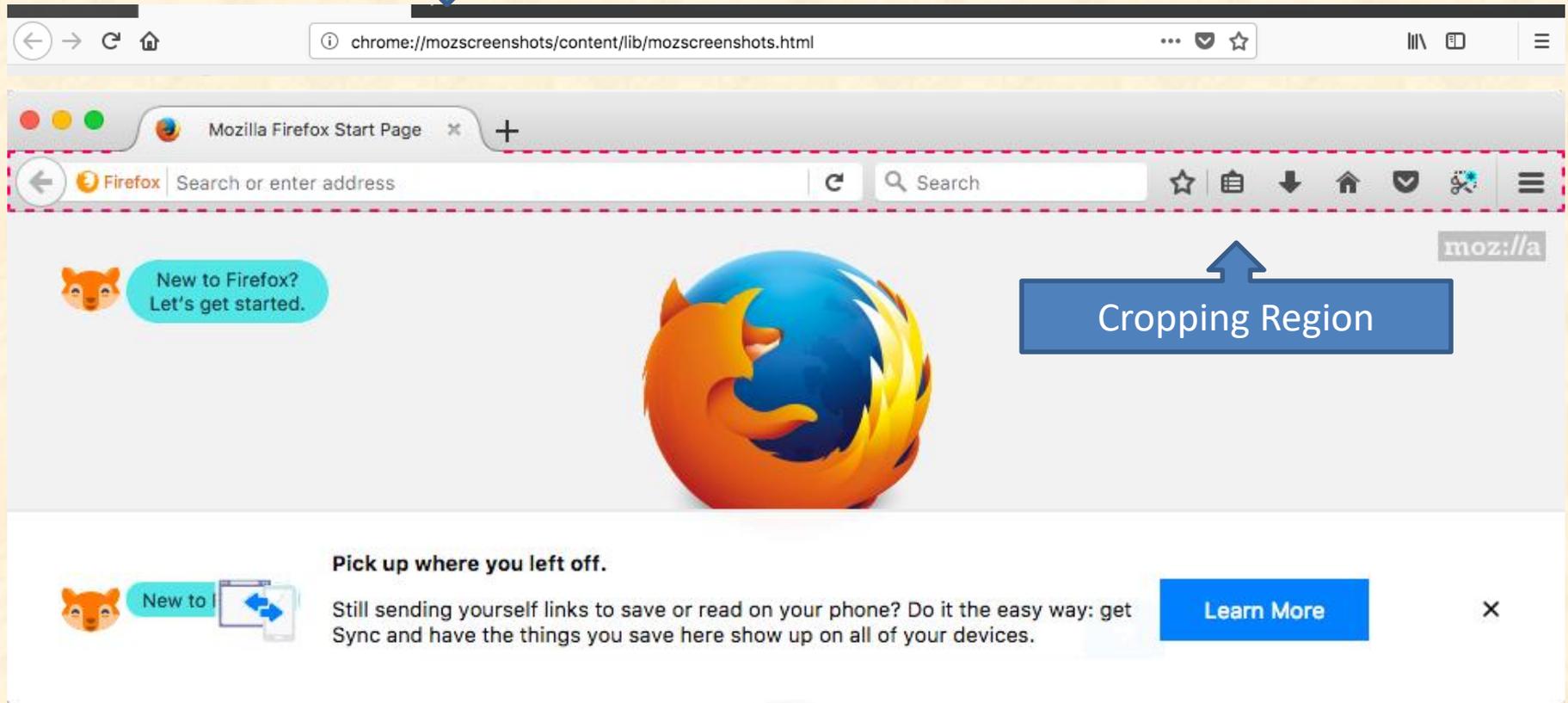


# System Architecture



# Automated Cropping Region

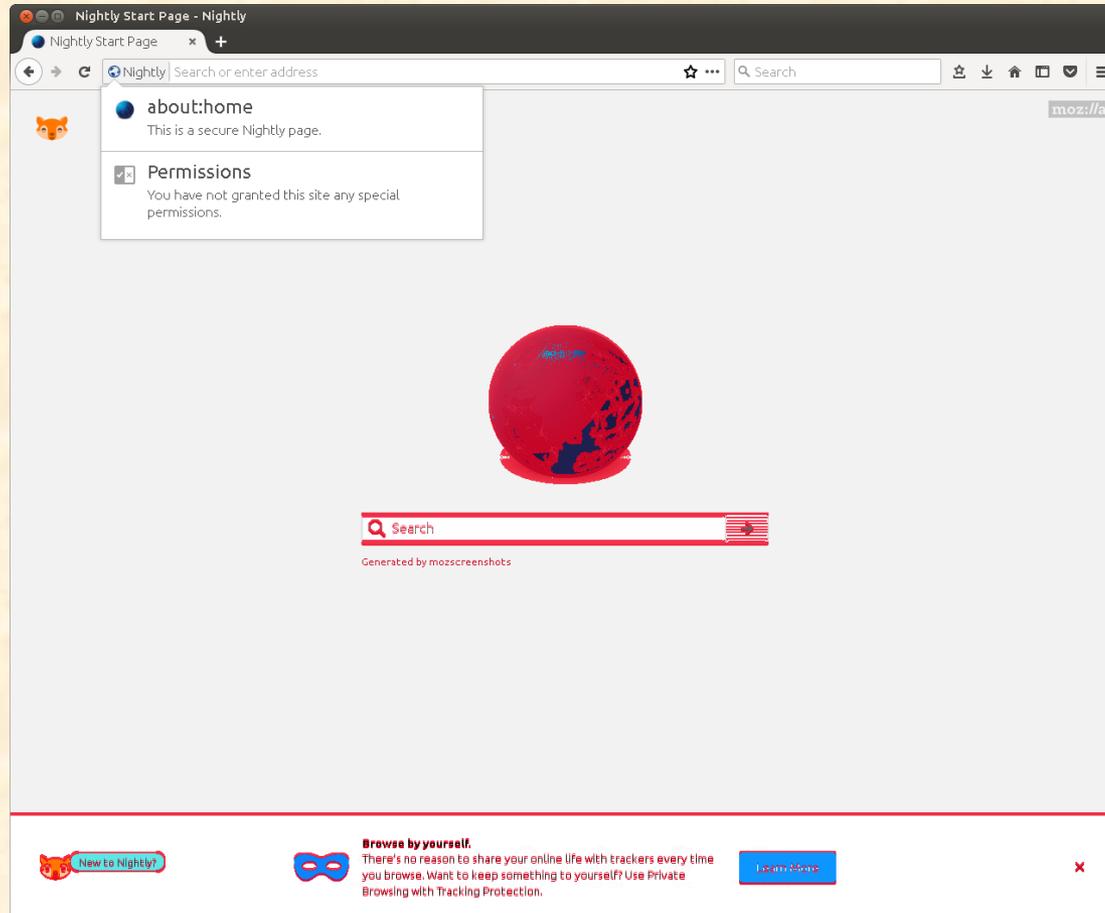
Cropped Region



Cropping Region



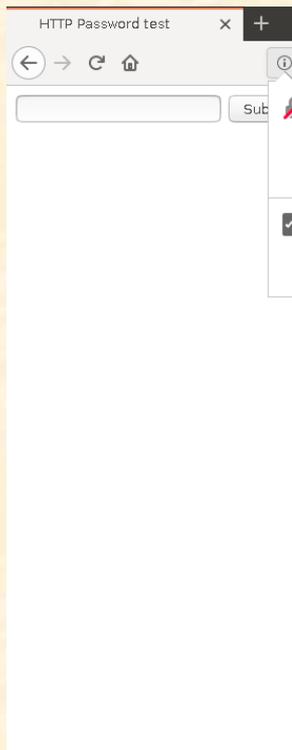
# Major Difference Detected



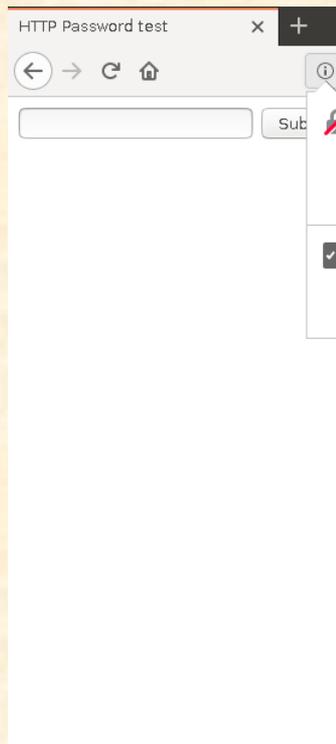
<https://screenshots.mattfn.ca/compare/?oldProject=mozilla-central&oldRev=6f8f10f48ace5692256efd91f011bd23054ee2ec&newProject=mozilla-central&newRev=5342d9e5011c53328468733704368e743affa817>

# Subtle Difference Detected

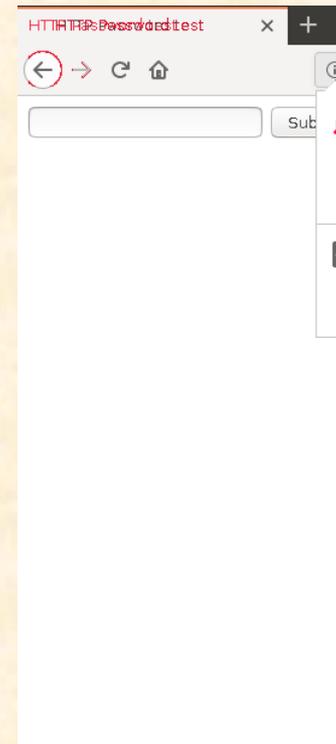
Before  
Change



After  
Change



Difference



# What's left to do?

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- Improving Integration with Other Tools (in progress)
- Keep Adding/Improving Configurations
- Continue Adding Unit Tests
- Polish Cropping
- Continuous code review



# Questions?

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