

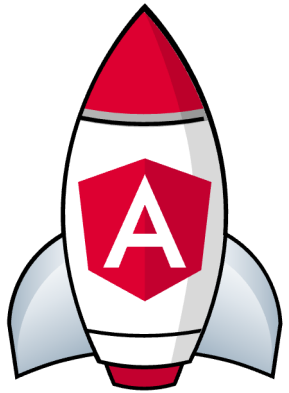


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UAAO Framework

Alex Thalhammer

Outline 01 - UAAO-Framework & Audit Tools



- UAAO-Framework
- Audit Tools

Turbo Button



UAAO Framework *

- Understand
- Audit
- Analyze
- Optimize

* By Jeff Cross' talk from ngAtlanta, for example see go.nrwl.io/uaa0



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Understand

- Understanding the business
- Understanding the problem
- Understanding the cause
- Understanding users
- Understanding key content



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Audit

- Audit the status quo
- Choose the right tool
- Measure performance
 - Consistency (same machine, close all programs, browser in incognito mode)
 - Multiple samples (e.g. 3 or 5), take the median



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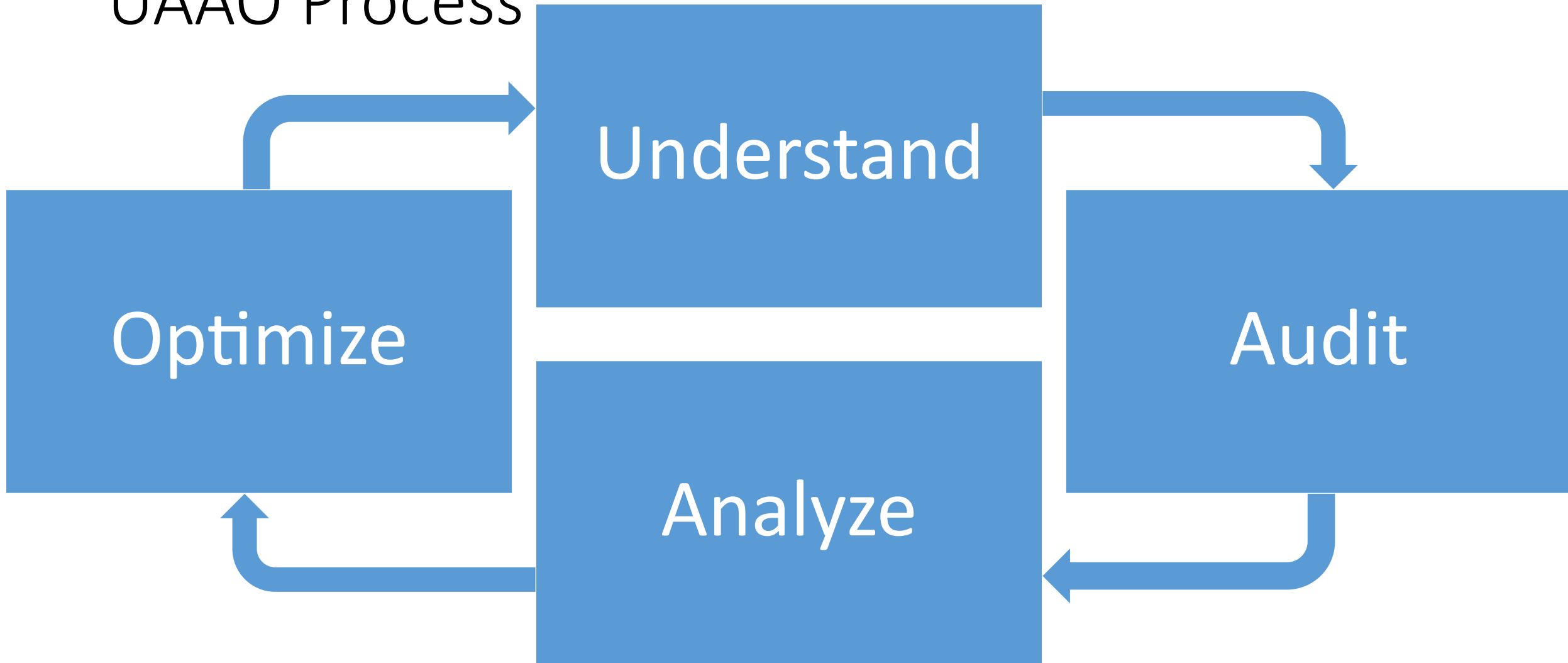
Analyze

- Check the audit results
 - Lighthouse and other tools show recommendations
- Find the main problem(s) / main cause(s) of slow performance
- Or start with Quick Win
- Focus on things that can be changed ;-)

Optimize

- Implement the improvements / fixes
 - Or delegate it
- Check the results (doing another audit)
- After optimization start over again

UAAO Process



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UAAO Template

- https://docs.google.com/document/d/1AQgAwHoHvasmT43HUISr3THifj-WHD_wwJQRhd0KG64/edit

UAAO Framework

- Understand

- Audit



```
graph LR; subgraph UAAO_Framework [UAAO Framework]; direction TB; UAAO_Framework --> AT[Audit Tools]; UAAO_Framework --> IL[Initial Load]; UAAO_Framework --> RP[Runtime P.]; end; UAAO_Framework --> AT; UAAO_Framework --> IL; UAAO_Framework --> RP;
```

Audit Tools

- Analyze

- Optimize

Initial Load

Runtime P.



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References

- UAAO introduced by Jeff Cross ([@jeffbcross](#)) from [NX](#)
 - [UAAO Example](#) ([ngAtlanta '19](#))
 - [Slides](#)
 - [Talk](#)
 - [Victor Videos UAAO](#) ([ng-conf '21](#))
 - [Workshop](#)



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