

Mark Michaelis
Chief Technical Architect,
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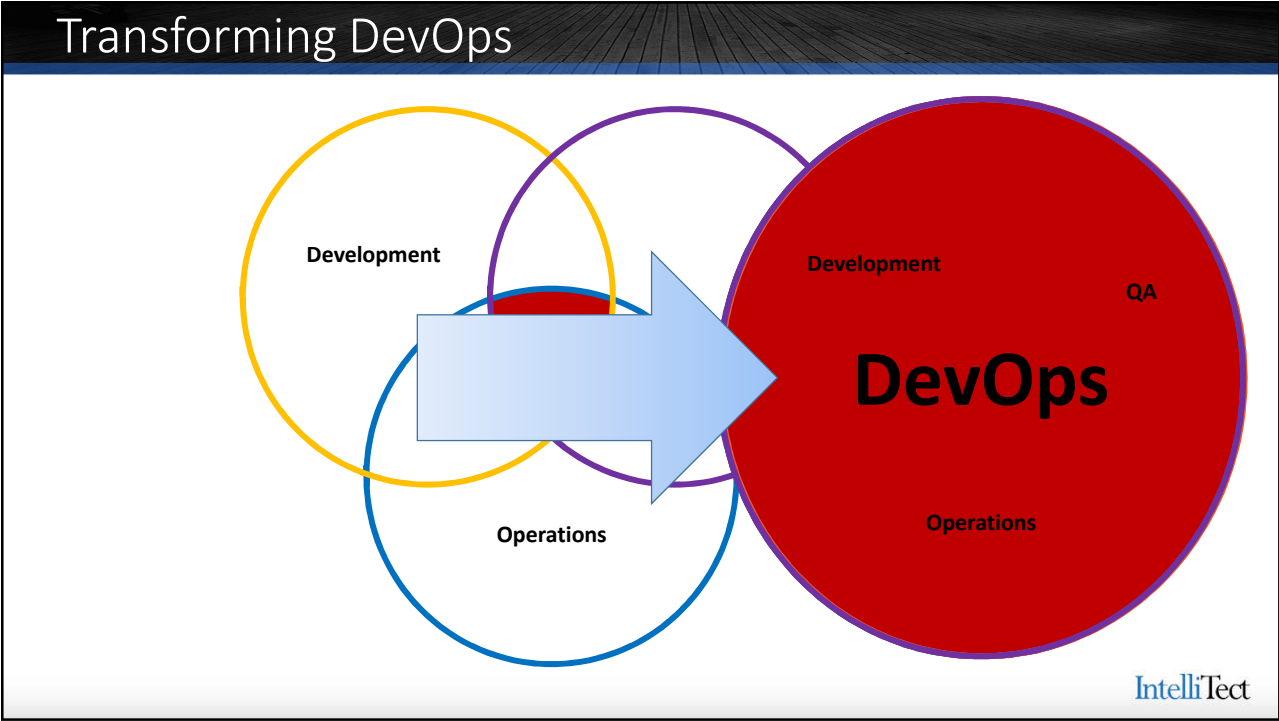
**DevOps:
Reality or Fiction**
It's a bird, it's a plane, it's super...
Really?!?,

About Us

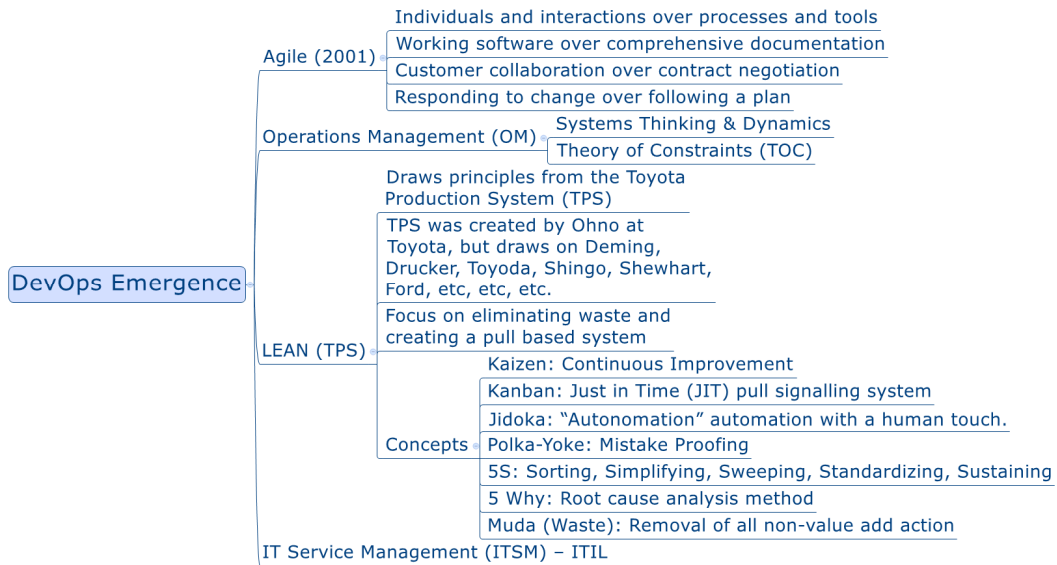
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Microsoft Most Valuable Professional
 Microsoft Regional Director
 Professional Scrum Master III

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How'd We Get Here?



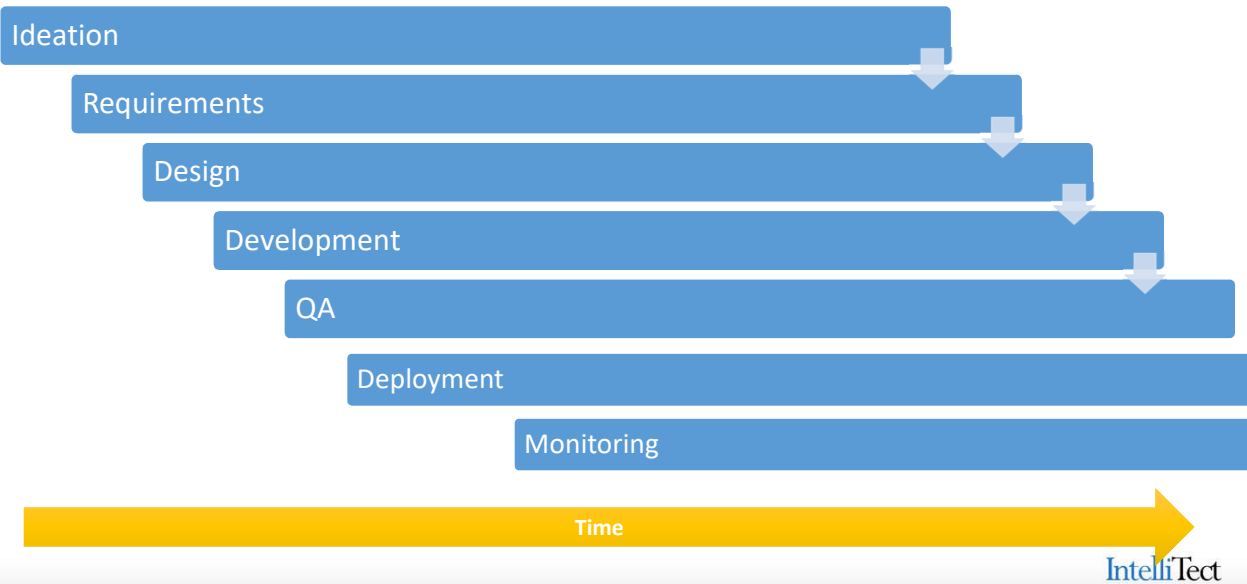
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Serial



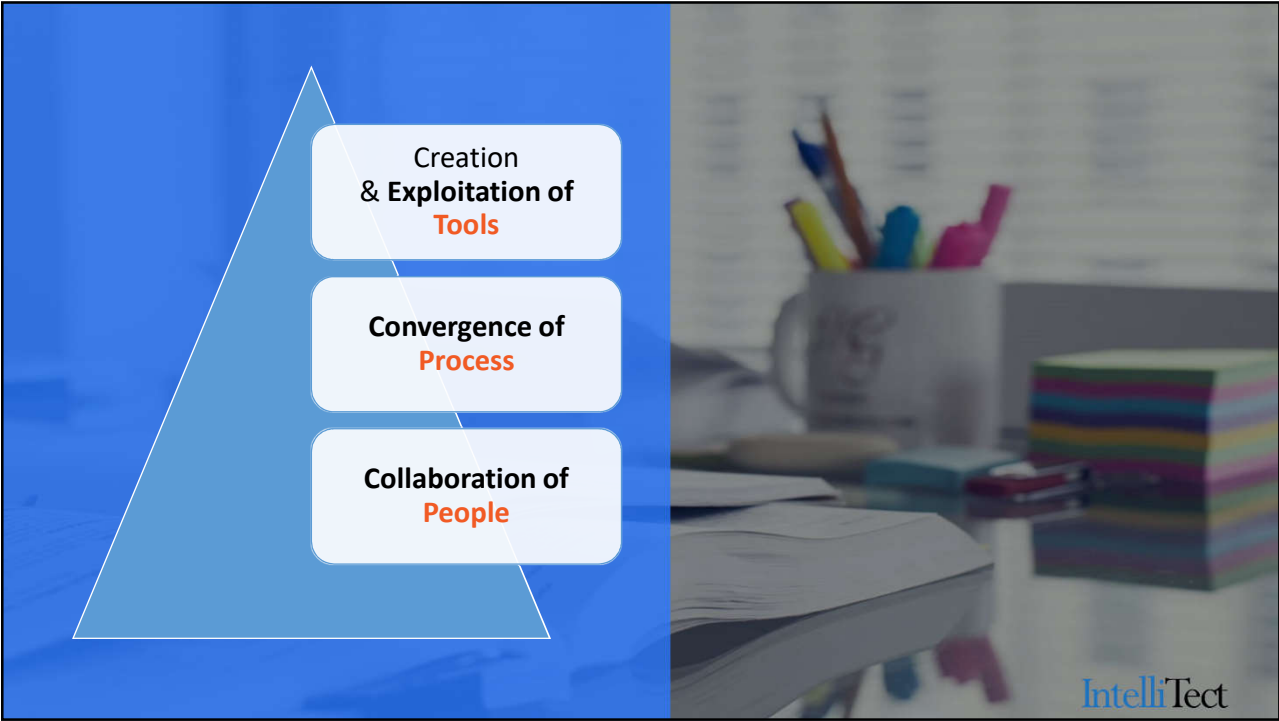
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To Parallel



In Parallel With Prudence

- DO not write automated functional tests before product owner approves the functional behavior.
- CONSIDER avoiding automated tests for throw away or short lived code
- DO NOT start development on an idea that doesn't have viability
- DO write unit tests
- DO begin deployment early



Principles of DevOps

Holistic system thinking

- Think outside the code
- Ask for help

No silos

- Anyone can deploy
- Collective Ownership
- Regular communication
- PowerPoint Level Documentation

Rapid, useful feedback

- Automated feedback/measurement
- Frequent review meetings

Automate drudgery away

- Just do it!!!!

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Metrics that Matter

A Myriad of Choices

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Symptoms Leading to Measurement

- Down time outside of SLA
- Customer dissatisfaction
- Long mean time to repair/recover (MTTR)
- Unacceptable Cost of change
- Missed deadlines
- High employee turnover
- Large releases that still lack expected functionality and quality
- ...

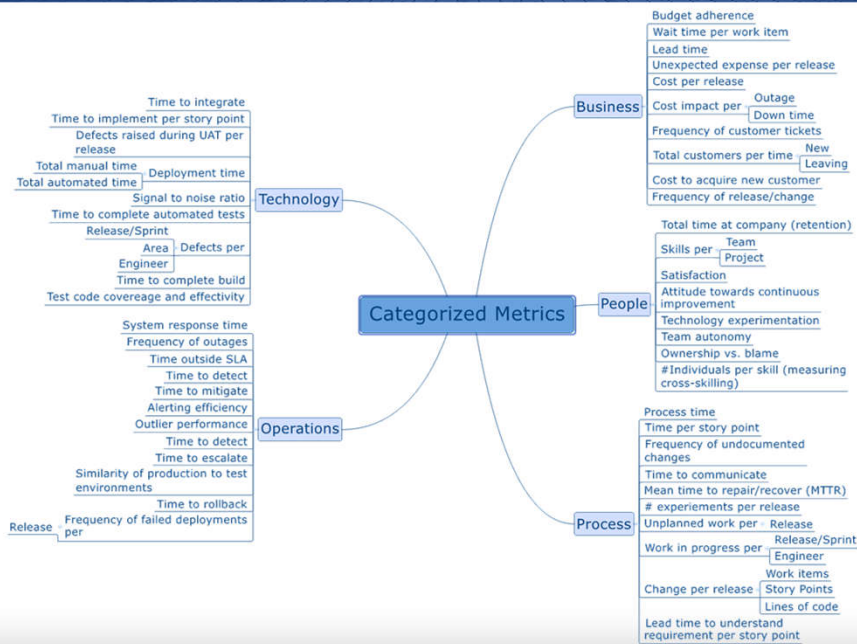
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A Myriad of Choices

List see
Itl.tc/DevOpsMetrics

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A Categorization of choices



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Principles of Measurement

Transparent

- Use metrics as a driver for creating excellence

Relevant

- Focus energy on the metrics that matter and provide knowledge that can stimulate action. (Don't create cost for stuff that isn't relevant.)

Automated

- Automate measurement where possible, removing subjectivity and overhead

Comparative

- Metrics are relevant with respect to a trend (its not the raw numbers). Metrics should be compared within the same context/team (not between teams/scenarios)

Examined

- Pay attention to what your metrics are telling you. (Don't look in the mirror and ignore what you see.)

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Takeaways

Metrics

- Create predictability
- Focus your strategy
- Transparent metrics trend towards excellence
- Are different for each team/person/organization
- Must be comparative

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Thank you for your time.

Questions?



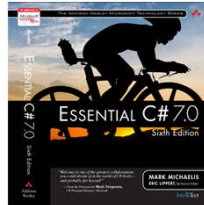
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About Us

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Clients

