



Digital Transformation

Presented by:
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NIWC PAC CHENG

The message in 6 words or less

Change versus Complacency. Who ultimately wins?

1981

**Vince
Barabba**

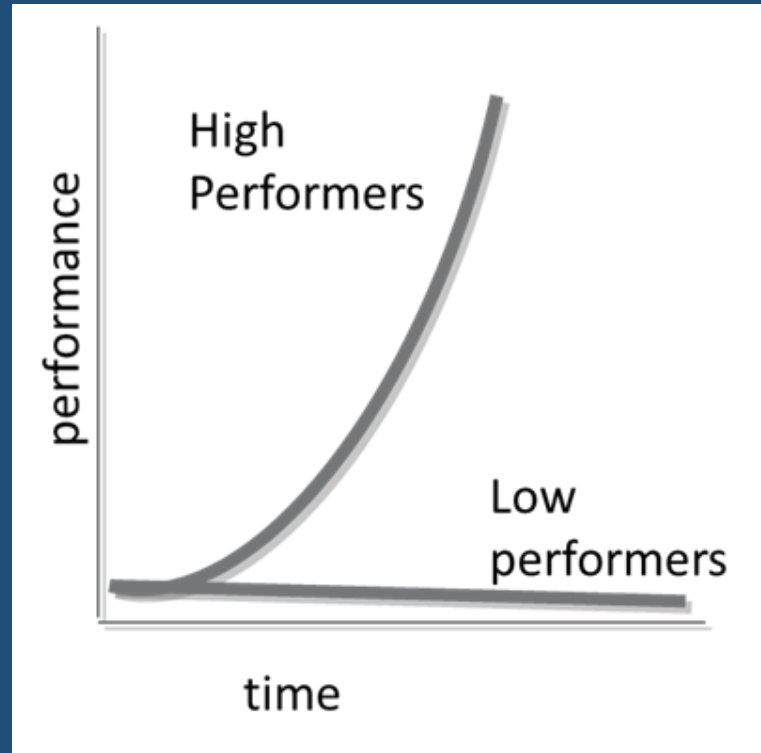
1989

**Colby Chandler,
Phil Samper, Kay
Whitmore**

***“If you’re not the
disruptor in the rapidly
changing digital
landscape, someone
else will try to steal
your future.”***

(Source: Gartner)

Lip service is not an option



1 out of 4

Recipe



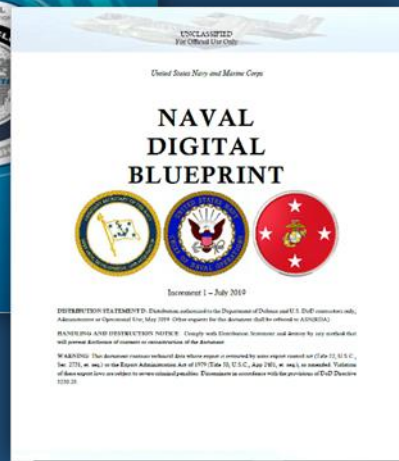
Christmas



Breakfast



Recipe



- Train your workforce
- Establish the digital environment
- Modernize your engineering processes
- Establish digital twins
- Grow the digital modeling capacity
- Establish DevSecOps practices
- Provide the tools and analytics
- Data as a vital strategic resource

Digital Theodore Roosevelt CSG



Digital Transformation

E2E Digital Engineering

Model Based Sys Engineering

Digital Twins

DevSecOps

Tactical Services

Christmas



**Consumers spent
~\$730 billion on
holiday retail sales
in 2019**

**Four key software delivery
metrics:**

- **Deployment frequency**
- **Lead time for changes**
- **Time to restore service**
- **Change failure rate**

*Source: the
book Accelerate by Dr. Forsgren,
et al.*

Compile to Combat (C2C)

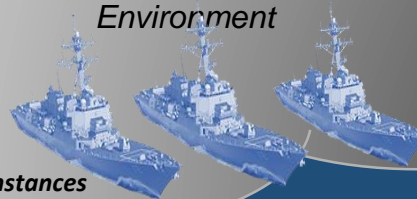
Development and Testing "Toolkit" provided

Tools, Data provided to develop and test your app

Staging & Integration

Integrate your app in Target Environment

Digital Instances



**RMF
Fast lane**

Certify your app

**Application
Arsenal**

"App Store"

**Install/
Deploy**



Opinion Check

- **Increase Speed = Increased Capability**

A. True

B. False

- **Capability that slows speed = Less capability**

A. True

B. False

Breakfast



“Culture eats strategy for breakfast”

Key principles that high performing organizations follow for effective organizational and cultural change.

➡ Examples: 1. Grass roots/community, 2. Proof of concept as seed, 3. Continuous improvement

Recommended reading: DevOps Research and Assessment (DORA) article entitled “DevOps Culture: How to Transform”.

Quiz

1 out of 4



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