

**Naval Information  
Warfare Center**



**PACIFIC**



# Compile to Combat In 24 Hours

**October 9, 2019**

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Chief Engineer**

**CAPT Mel Yokoyama, USN  
Commanding Officer**

# FALLUJAH, IRAQ

## November 2004



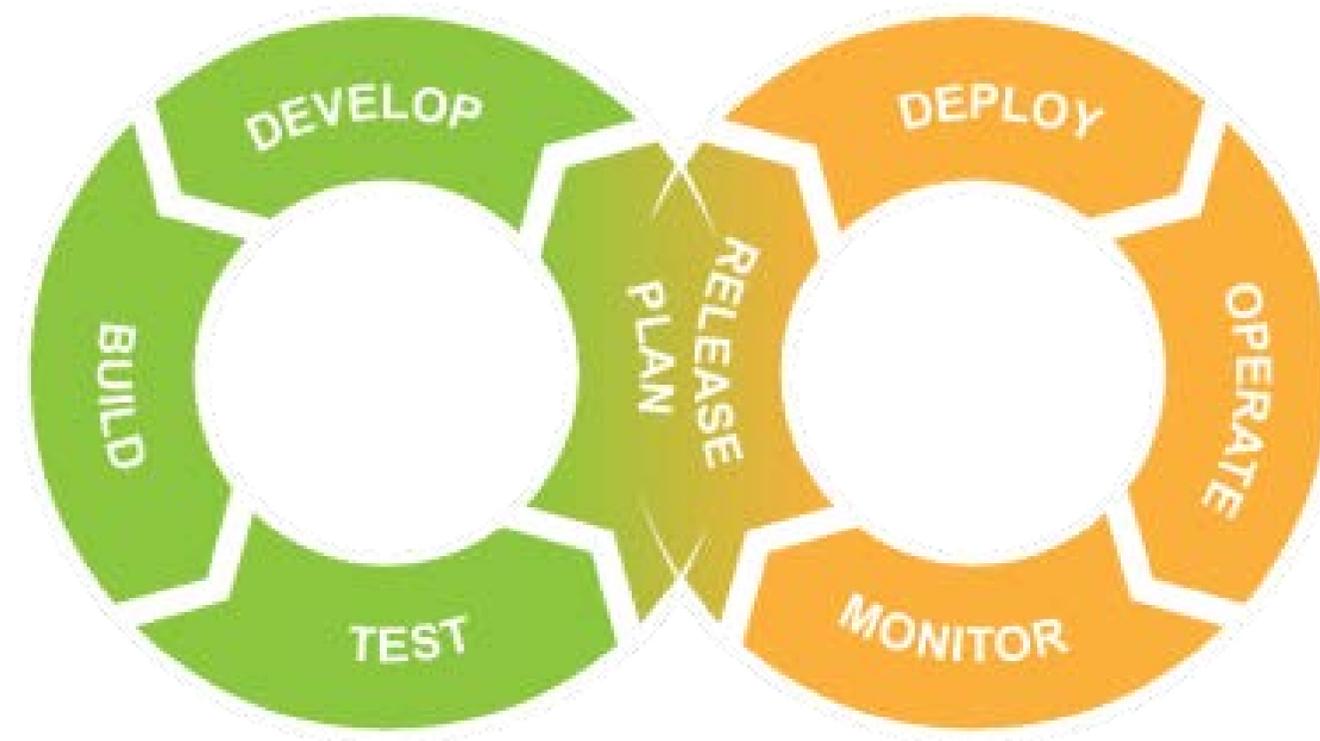
**OPERATION PHANTOM FURY**

# Era of Great Competition



***“We cannot expect success fighting tomorrow’s conflicts with yesterday’s weapons or equipment“- NDS 2018***

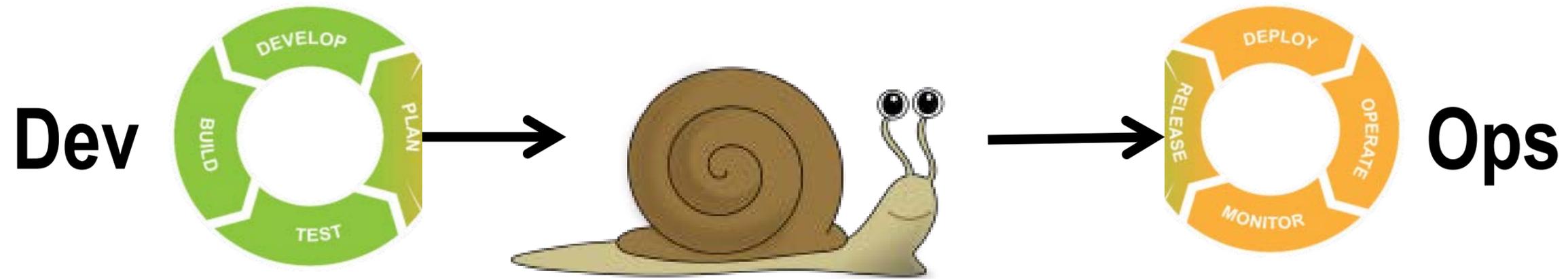
# Process Modernization



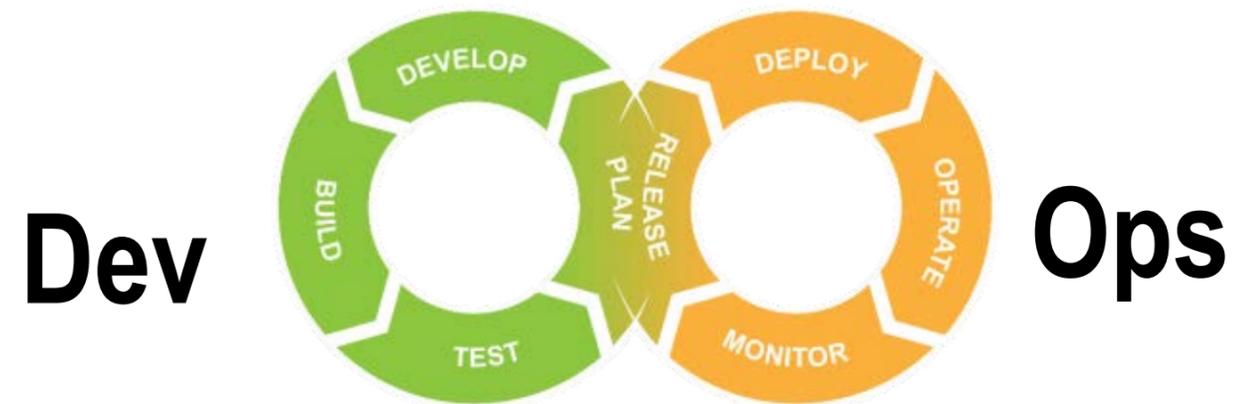
***DevSecOps is the combination of culture, practices, and tools that increases an organization's ability to deliver capability at high velocity without sacrificing quality or security***

# Enabling Speed to Capability

## Legacy Processes



## Modernized Processes





# C2C24 - *Fast Lanes* -

**ATO Fast Lane** - *Rapid RMF Assess and Incorporate SW Engineering in a Day (RAISED)*

**Rapid Software Installation (RSI) Fast Lane** - *No Ship Change Documentation (SCD) for well behaved software*

**Rapid Delivery Fast Lane** - *Application Arsenal (aka Storefront) for automated Software delivery*

**Rapid Development, Test and Integration Fast Lane** - *Digital Twins for continuous integration/continuous test*

# Collaborative Software Armory

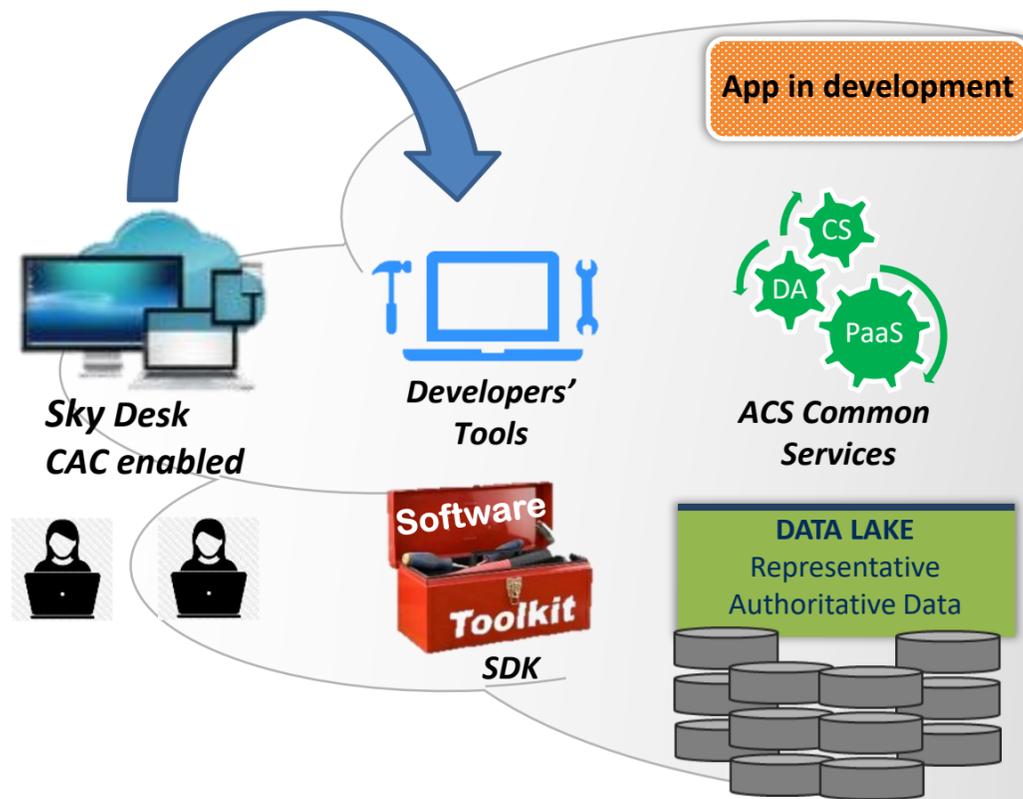
# Collaborative Staging Environment

RMF  
in a Day

# Application Arsenal

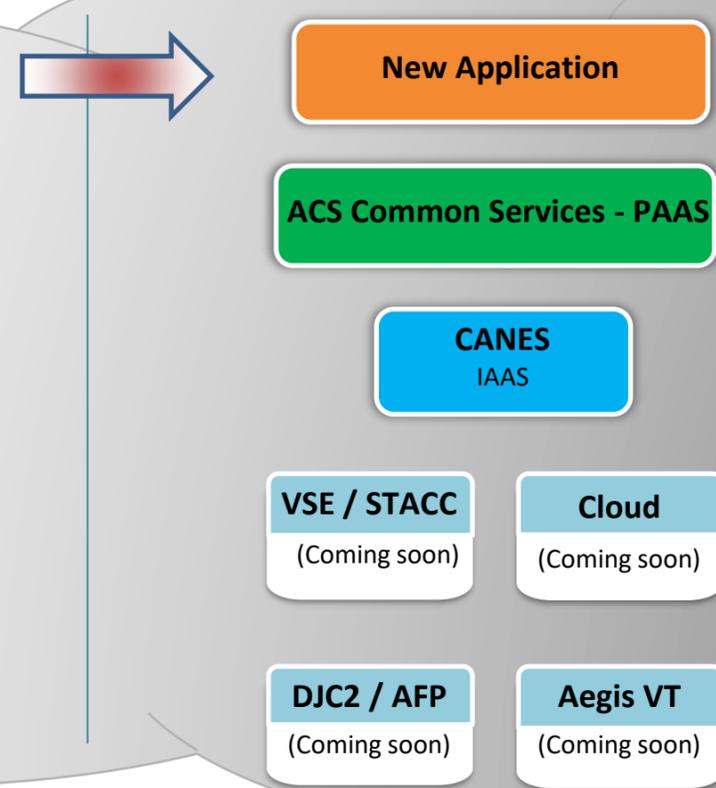
## Development and Testing "Toolkit" provided

Tools, IOS, Data provided to develop and test your App



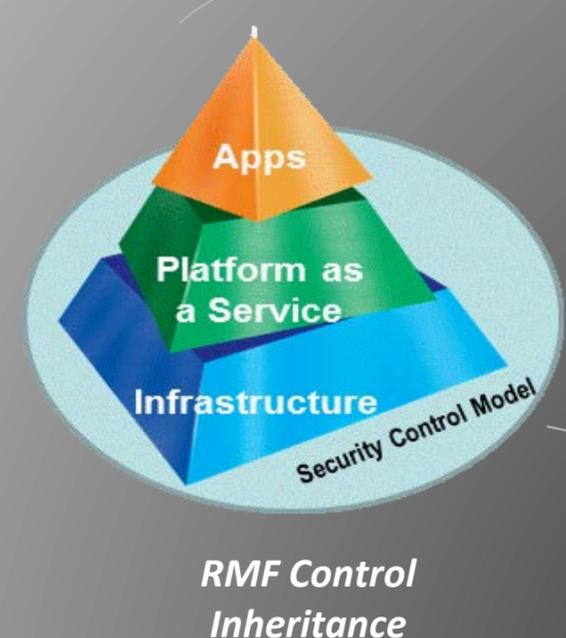
## Staging & Integration

Integrate your app in Target Environment



## 24 hour Fast Lane

Certify your app

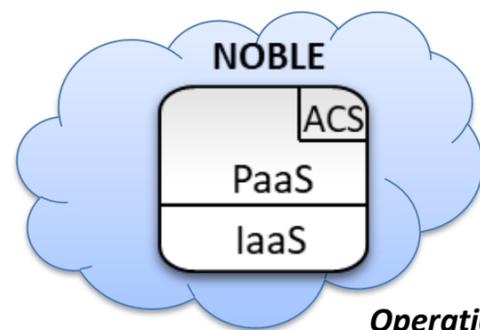


## "App Store"

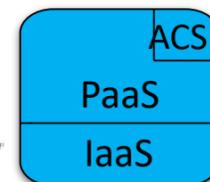
App ready to be downloaded by user



Deploy



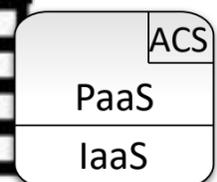
Operational Cloud



CANES



DJC2/NETC2



Fit NOC STACC/MOC VSE

# Bottom Line



***When the O-3's and E-5's reach for the tools they need...  
those tools have to be there and they have to work***



**Thank You For Supporting Our Warfighters**