

# **REDUCE COMPLEXITY INCREASE OPTIMIZATION WITH ANSIBLE**

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29 June 2016

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# WHO I AM

JONATHAN I. DAVILA

**PRINCIPAL ARCHITECT  
AUTOMATION PRACTICE  
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**Formerly**

Solutions Architect @ Ansible

DevOps Lead @ NASA HQ

Indy Consultant @ \$Integrators

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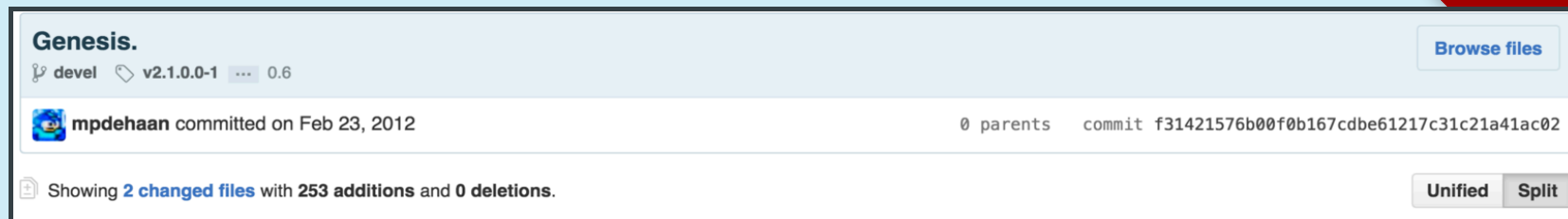
Mobile Dev Startup Founder

Soldier @ US Army

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# HISTORY OF ANSIBLE 101

## 2012



## 2014

ANSIBLE NAMED A TOP 10 OPEN SOURCE PROJECT BY OPENSOURCE.COM

## 2015

PRESS RELEASE

### Red Hat to Acquire IT Automation and DevOps Leader Ansible

Red Hat advances frictionless IT with simplified management for hybrid clouds, OpenStack environments and container-based services

# OVER 1500 UNIQUE CONTRIBUTORS

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# AUTOMATION PRACTICE

## PRE RED HAT

- Typically 1-2 weeks
- Lead times measured in months
- 4 Consulting Architects
- Narrow Focus

## TODAY

- Phased approach
- Typically 1-3 months (some exceptions)
- Lead times measured in weeks
- 500+ Consultants in just North America
- Broader Focus

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# AUTOMATION PRACTICE

## MISSION STATEMENT

To design, develop, and implement the foundation for a lean, and technically sound, end-to-end automation competency within an organization

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The slide features a light blue background with a decorative pattern of red diamond shapes. These diamonds are of various sizes and are arranged in a way that they appear to be floating or layered, with some having drop shadows. The pattern is most dense in the bottom-left and bottom-right corners, with a few smaller diamonds scattered in the center.

# AUTOMATION PRACTICE

## WHAT IT PROVIDES

### A TAILORED OFFERING OF

- Robust Ansible expertise
- DevOps methodologies
- Continuous Integration and Continuous Deployment Architectures
- Workflow and Policy development
- Complete organizational evangelism
- Advisement and implementation

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# AUTOMATION PRACTICE

## WHAT IT ISN'T

- Staff augmentation
- Application refactoring or re-architecting
- Development of content above the platform layer
- A technical payday loan
- One-size-fits-all
- **Deep** guidance for tools outside of Ansible & other RH products
- "DevOps-quick" scheme

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**“ THE JOURNEY OF [AUTOMATION]  
BEGINS WITH A SINGLE STEP.**

- Lao Tzu



**YOUR AUTOMATION JOURNEY'S FIRST STEP**

# **THE DISCOVERY SESSION**

**(1-2 Days)**

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# WHAT IS DISCOVERED?

CURRENT VS DESIRED STATE OF YOUR...

PEOPLE

BUSINESS

PROCESS

TOOLS AND TECHNOLOGY

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# PEOPLE EXAMPLES

<b>Pain Points/Current State</b>	<b>Desire</b>
Domain/Tribal Knowledge	Distributed Knowledge
Silos	Open Communication
Skillset Uncertainty	Direction and Training
Turnover	Retention
Low Morale	Higher Morale

# BUSINESS EXAMPLES

<b>Pain Points/Current State</b>	<b>Desire</b>
Burnout	Retention
Non Compliance	Compliance
Waste	Lean
Unsustainable	Scaleable
Downtime	Uptime

# PROCESS EXAMPLES

<b>Pain Points/Current State</b>	<b>Desire</b>
Maintenance Windows	Zero Downtime
Change Control Board	Automated Flow
Bottlenecks	Efficiency
Manual Recovery	Self Healing
Slow Monolithic Deploys	Quick Incremental Deploys

# TOOLS EXAMPLES

<b>Pain Points/Current State</b>	<b>Desire</b>
Tool Sprawl	Consolidation and Security
Spreadsheets	Single Point of Truth (CMDB)
Fragile Scripts	Uniform Automation
Manual Deploys	Versioned Deploys
Requests take days/weeks	Self Service

OUTCOME:

# DISCOVERY SESSION REPORT

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# NEXT STEPS

PLANNING SESSION

IMPLEMENTATION

PROFIT!



# FREE MINI DISCOVERY

## WHAT

2 HOUR BLOCKS

1-ON-1, SMALL SCALE DISCOVERY SESSIONS

ONLY 3 SLOTS ARE AVAILABLE

## WHEN

TOMORROW 6/30, 8AM TO 2PM PST

## HOW TO RESERVE

[HTTP://BIT.LY/DISCOVERAUTOMATION](http://bit.ly/discoverautomation)

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EXPERIENCE OPEN SOURCE.

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