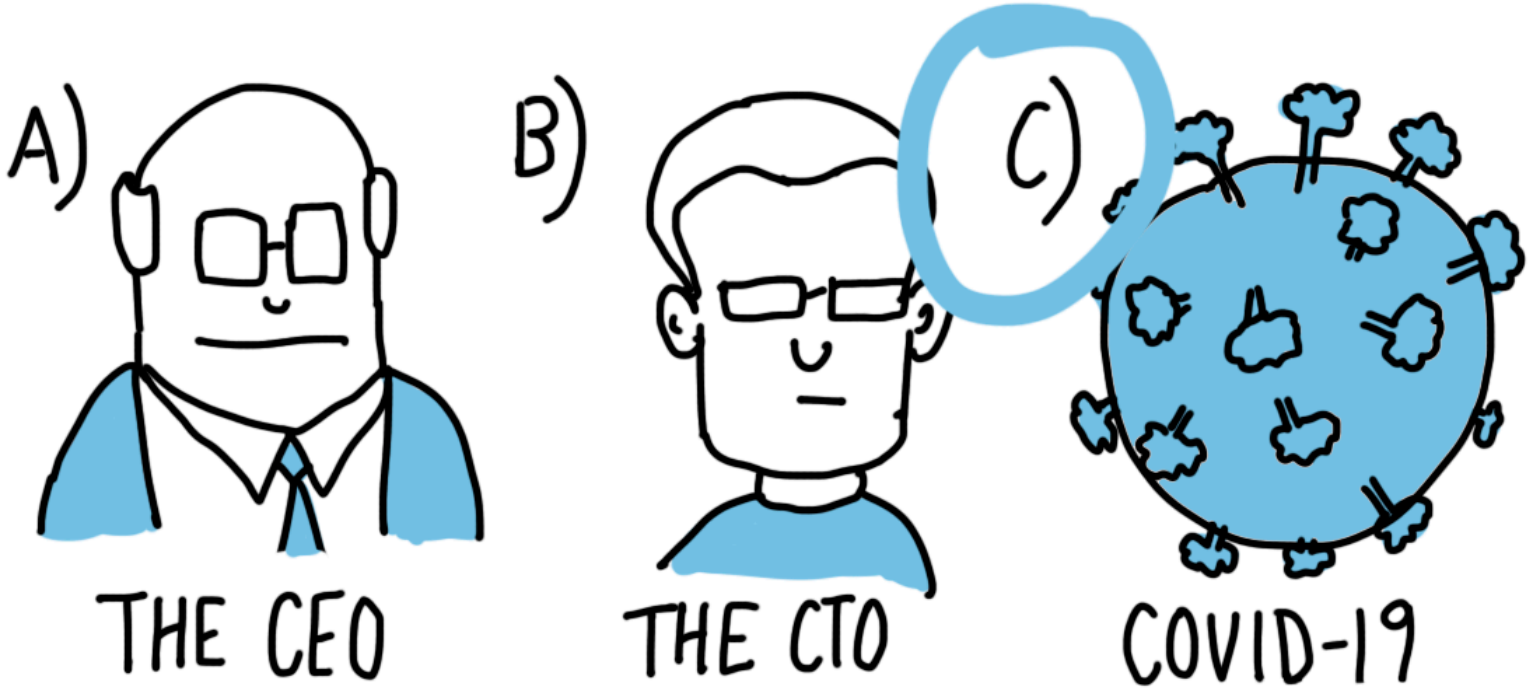
WHO LED THE DIGITAL TRANSFORMATION OF YOUR COMPANY ?



BUSINESSILLUSTRATOR.COM

Tales From the Field

VMW Automation User Group

Steffen Christensen
Consulting Architect

3rd of September 2020

vmware

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Design Principles

Do’s & Don’ts

Dig for the Requirements

Design Principles

Get business drivers and goals from stakeholders

Collect the requirements from the technical teams

Learn the boundaries

Breakdown the Silos

Design Principles

Get the right team

Have a design authority board

Automate SLAs

Design Principles

Who are the end-user, do they understand the impact?

Can the SLA be configured trough logic?

Specify the SLA at a top level

Remove the clutter

Design Principles

Request forms are more complex, than they have to

Too much ‘nice-to-know’ information

Rely on rules to automate decisions

Eliminate Run Books and Manual Procedures

Design Principles

Rely on integrations

Reduce free-text inputs

Automate validation

Automate approval

More Rules, More Automation

Design Principles

Define new rules as the platform expands

Adjust and update workflows

Keep a clean environment

Use the right Notifications

Design Principles

Enable the default notification that works for you

Limit the number of notifications to a reasonable level

On failure scenarios, send/log clean-up information

About Processes

Design Principles

All processes can be automated, but should they?

Don’t try to ”migrate” existing processes into vRA

Start implementing use cases based on business drivers

Know your limits

Design Principles

Yes, it's technical possible, but for what cost/time?

Can this be a Service Desk request?

Pick the low-hanging fruit first

Empower the End-Users

Design Principles

The goal should be to do more, faster

Don’t use automation to remove/limit access

Standardize common requests

Keep It Simple

Design Principles

Create, Update, Delete

Use the workflow schema to keep the process overview

Reuse elements when possible (planning)

Keep an Automation To-do-List

Design Principles

Inputs and Tags

Design Principles

Keep a reasonable tagging strategy

Use tag values

Use tags to simplify inputs and request forms

Interacting

With Terraform and Ansible

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Ansible

Integration

Configuration Management Tooling

In-Guest Operations

Build-in integration in vRA8

Terraform

Integration

Take advantage of existing orchestration

Expand capabilities and integrations

vRA provides at better UI and control plane to Terraform

Interacting

With Operation Manager

Operations Manager

Integration

Retrieve metrics from Operations Manager

Update alert definitions

Run custom reports, for selected objects

Interacting

With ServiceNow

ServiceNow integration

Plug-in

Catalog published directly into ServiceNow

Approval workflow integrated into ServiceNow UI

Works with both SaaS and on-prem solutions

Interacting

With NSX

Automation with NSX

Networking

Use Cases:

- Provide infrastructure as code
- On-Demand networking, load-balancer
- Match pre-configured profiles based on tags

Interacting

With Horizon (View)

Horizon with Automation

Desktop automation

Use Cases:

- Templates and Blueprints for desktop pools
- Blueprint service for Desktop allocation
- Automated image management

Managing Templates

Using Code Stream and Packet

Managing Templates

Pipeline-release management

Release management of new templates

Automated updates and testing

Update infrastructure mappings based on results

Thank You

Questions?

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Appendix

Extra Stuff

VEBA

VMware Event Broker Appliance

Event Broker for vCenter

Trigger on specific event

Execute vRO workflows

Hands-on-Labs

New labs available

SKU	Title
HOL-2121-91-CMP	Getting Started with vRealize Automation – Lightning Lab
HOL-2121-01-CMP	What's New in vRealize Automation 8.1
HOL-2121-02-CMP	vRealize Automation for End Users
HOL-2121-03-CMP	Administering vRealize Automation
HOL-2121-04-CMP	Administering vRealize Automation – Advanced Use Cases
HOL-2121-05-CMP	vRealize Automation for DevOps and Developers
HOL-2121-06-CMP	Getting Started with vRealize Orchestrator

Also; VMworld 2020 session catalog is now available