cisco







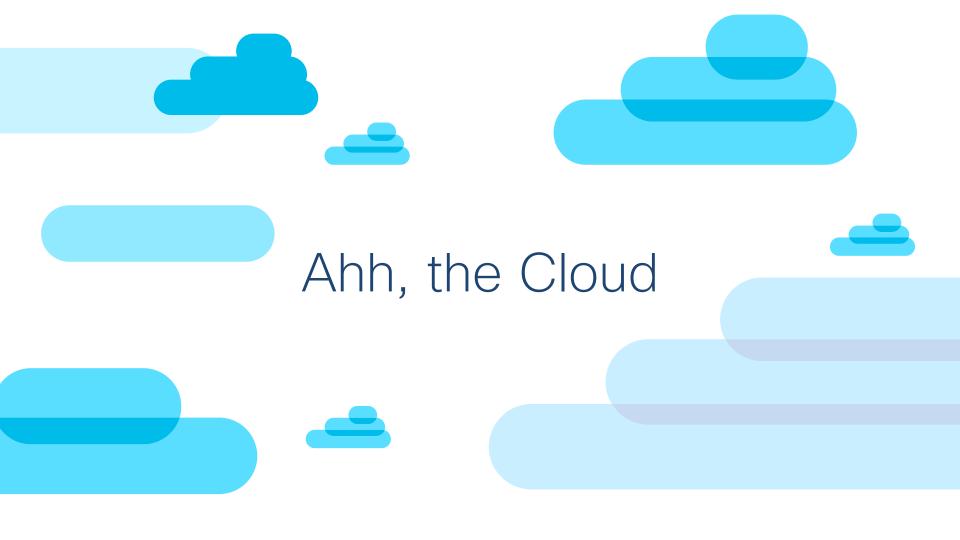
Cisco Multicloud

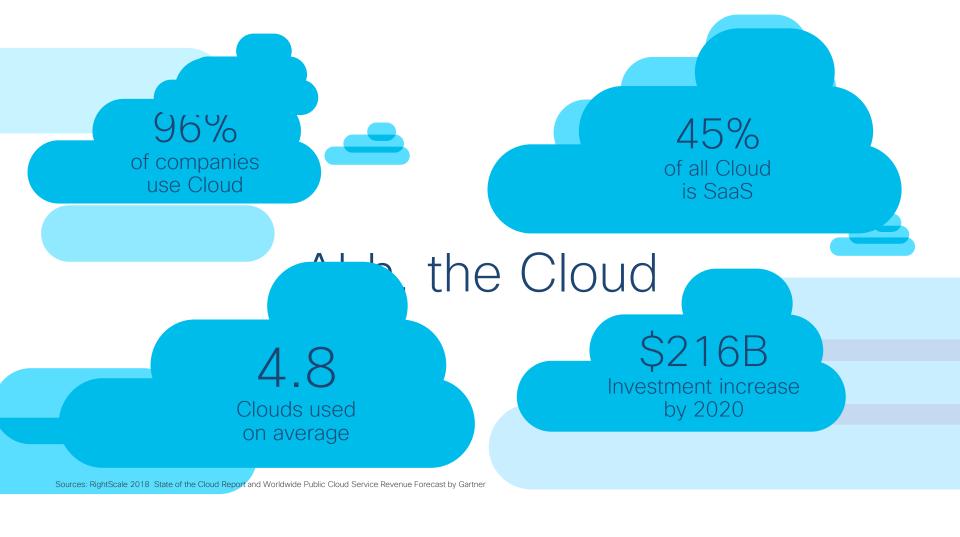
The How!

Chris Gascoigne - Technical Solutions Architect BRKCLD-2604









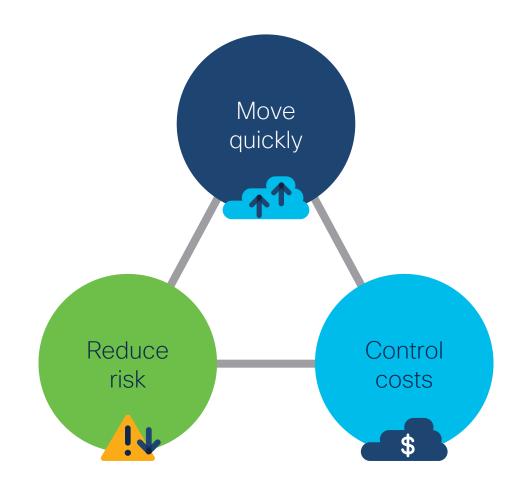


Multicloud isn't even the question









"Project management triangle"





Challenges



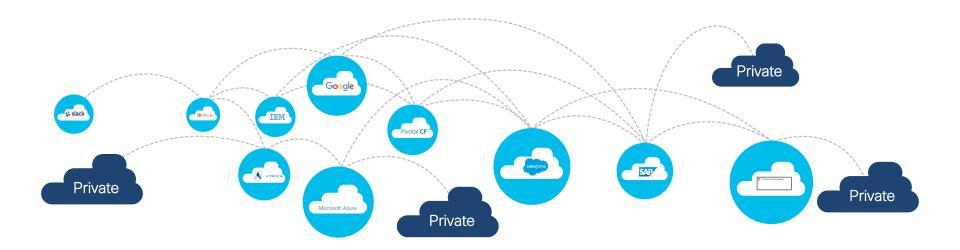


Fragmentation
Lack of interoperability



Complexity
Data protection







Fragmentation Lack of interoperability



Complexity
Data protection



Cost Management

Primary concern with Cloud is security













Complexity
Data protection



76% of companies are concerned about costs management

Infrastructure

Bandwidth

IT staff

Texternal resources





Fragmentation
Lack of interoperability



Complexity
Data protection



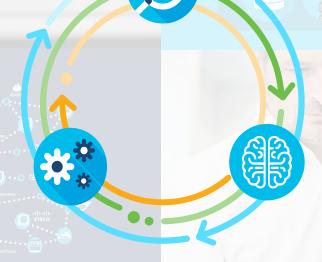


Visibility

App and infra interdependencies and impact on business performance



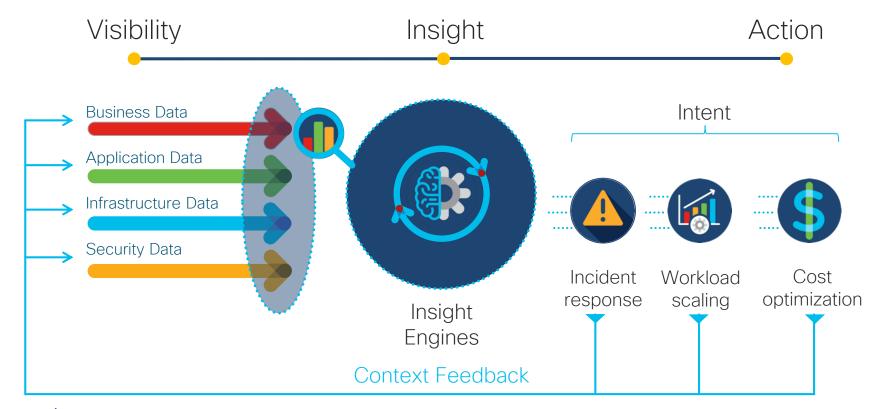
Full-stack automation to continuously optimize resources to the app



Insight

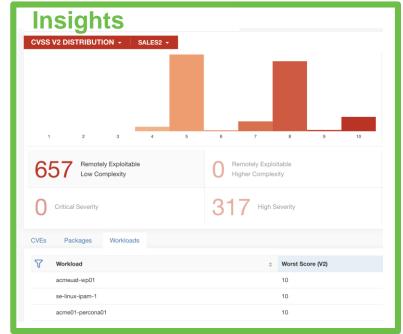
Analytics to drive the right resource decisions

Visibility - Insight - Action

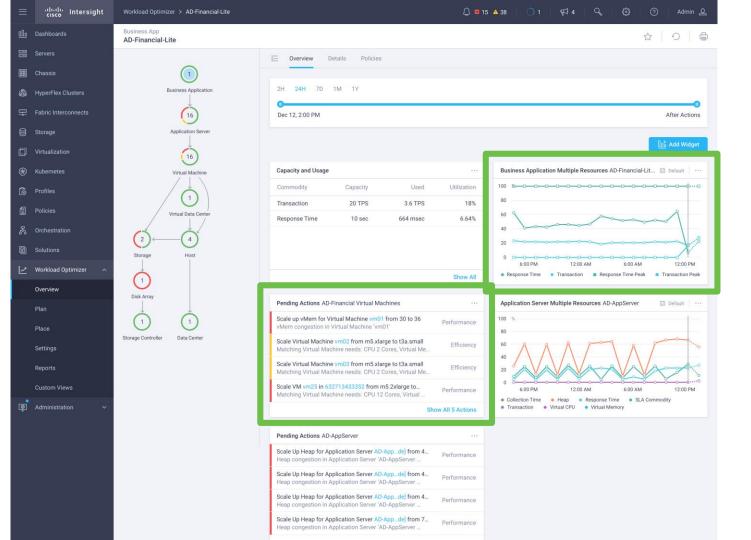


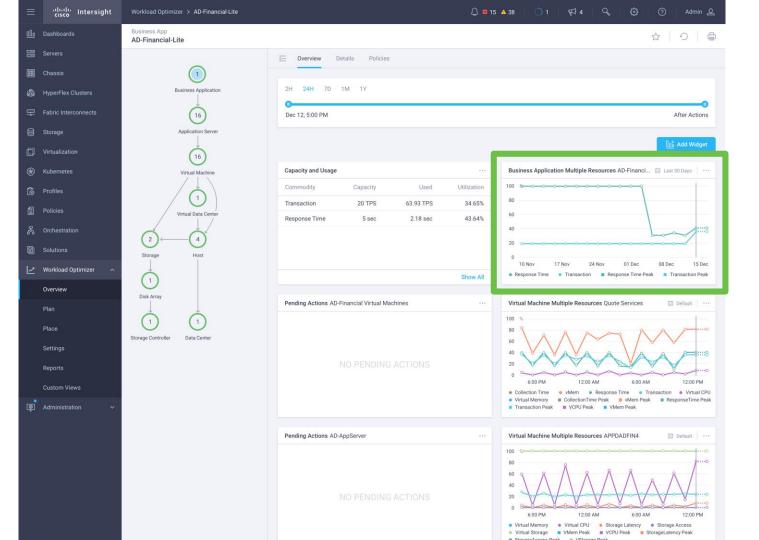
6 Pending Actions Show Critical Only **Visibility Business KPIs** Insurance Policies Loans Approved Unique Logins Quoted Application Virtual Server Database Storage Insights \$ 477,033 772 \$ 815,086 MINOR Virtual Machine Action Virtual Machine Action Virtual Machine Action Action: Scale Down VM Action: Scale Down VM Action: Scale Up VM Target: Cisco - AD-Fin-CWOM04 Target: Cisco - AD-Fin-CWOM06 Target: APPDADFIN6 Resize from 16 GB to 984.4 MB Resize from 16 GB to 891.4 MB Resize from 1 GB to 2 GB Reason: Efficiency Improvement Reason: Performance Assurance Reason: Efficiency Improvement Transaction KPIs CRITICAL CRITICAL Virtual Machine Action Virtual Machine Action Login Approve Loan Get Quote Action: Scale Up VM Action: Scale Up VM Calls Per Min 25 39 31 Target: APPDADFIN2 Target: APPDADFIN4 Resize from 2.0 to 4.0 **Action** 6,299 ms 255 ms 44 ms Response Time Scale up VCPU for VirtualMachine APPDADFIN2 from 2 to 4 Errors VCPU congestion in Virtual Machine 'APPDADFIN2' EST. INVESTMENT: \$ 400 PERFORMANCE VIRTUALMACHINE CHANGE DETAILS **ACTIONS** APPDADFIN2 Main Factor: VCPU Host: Ubuntu Linux (64-Bit) Goal: Performance Assurance App & Infra KPIs DRILL DOWN IP Address: 10.30.172.72 Environment: ONPREM VCPUs: 2 **Business Account:** CURRENT RESOURCE OuoteServices DiscountServices LoanServices AuthServices EXECUTE ACTION Shape: **ACTION DETAILS** VCPU: 2.0 Created: 2019-08-22 Location: sys005dc01 Type: RIGHT SIZE Location Type: DataCenter State: PENDING ACCEPT App Server **NEW RESOURCE -ON-DEMAND COSTS** RECOMMENDATION Current: \$ 0 Shape: After: \$ 0 VCPU: 4.0 VM / Server Location: sys005dc01 Location Type: DataCenter





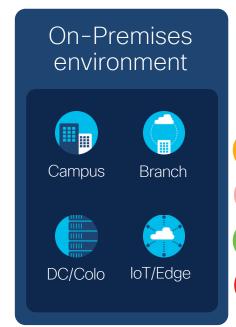


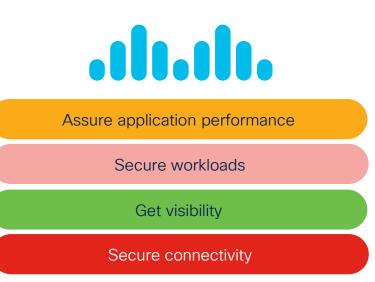






Steps and technology to get to value faster

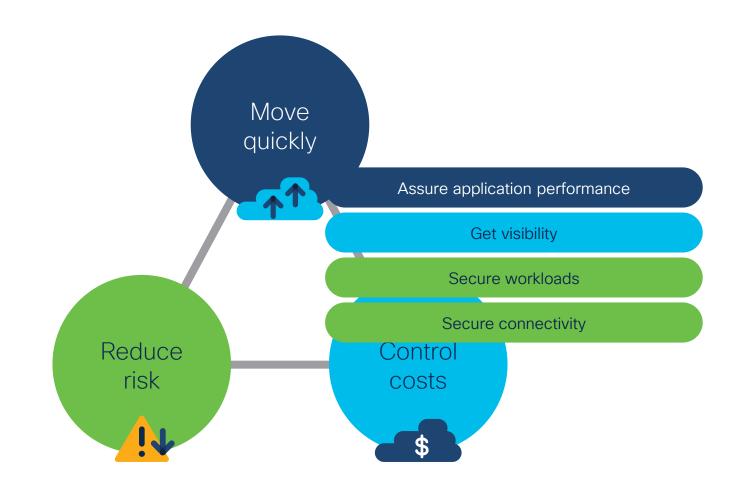












Overview

INTCLD-1315

Bridge to Multicloud:
Powering
App Revolution

BRKDCN-1850

Cisco DC Anywhere Demo Story*

BRKCLD-2931

Cisco Multicloud: the How!* BRKCLD-3440

Multicloud

Multicloud Networking Design & Deployment*

BRKCOC-2994

Cisco IT: Multicloud Backbone

BRKCLD-1215

Multicloud Deployment w/ CloudCenter Suite*

DEVNET-1237

Application

Prove it's NOT the Network: Intro to AppDynamics(AppD)

INTAPP-1300

App Visibility & Business Insights from AppD

DEVNET-1607

Rightsize your Infrastructure w/
AppD & CWOM

BRKCLD-2889

Survive the Cloud Native Age w/ AppD & CCP

BRKCLD-2005

Cisco Container Platform(CCP) for Infrastructure Team

BRKCLD-3181

Container Network
Deep Dive

PSO-2781

Container as a Service for HX & Intersight w/ HXAP

BRKCLD-2148

Use Kubernetes to Host ML workloads in a Cloud Native Way

BRKCLD-2016

HX Storage Integration for Kubernetes*

App & Cloud

Technology

* Distinguished Speakers

cisco Live!

App & Cloud

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Containers

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