

Cloud Migration and Modernization in the Public Sector

Aug 19

A Webinar on

Cloud Migration & Modernization in the Public Sector

Aug 19 8:00 AM PDT

Will start in a few minutes



Corent









Neil Kronimus Sr. Director Cloud, GDIT



Ricardo Palhano

Sr. Solutions Architect, AWS

www.corenttech.com



In this Webinar, we will cover

8:00 AM

- AWS
 - Addressing Government Security requirements
 - Migration
 - Optimization
- □ Corent
 - The Cloud Journey
 - Assessment and Migration
 - Modernization planning and execution
- GDIT
 - Challenges in the public sector
 - Solutions
- Q&A



8:05AM

8:25AM

8:35AM

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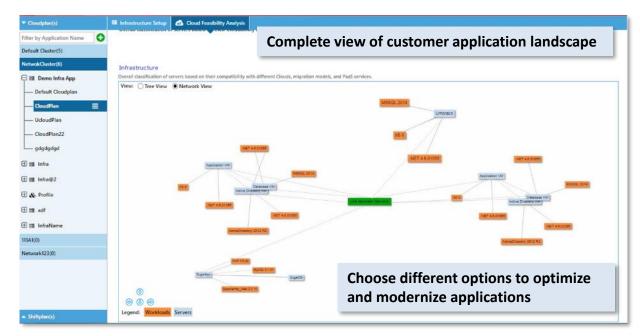
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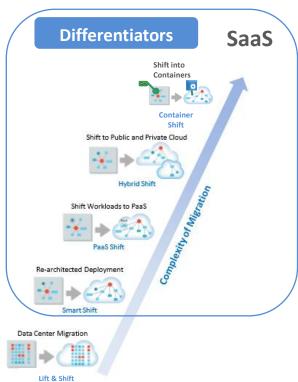
9:00 AM

Corent SurPaaS® Manages the entire the Cloud Journey aws partner network Assess Advanced Technology Partner Migration Competency SurPaaS® **SurPaaS**[®] Manage Optimize Continuo" Modernize SaaSify Software or enhance your Automated SaaS offering Optimize Integration of **On-Premise** by next gen **Application** Cloud PaaS SaaS Services & Topology, Lift & Shift capabilities Performance. Containerization **Applications** Cost Scan - Analyze - Plan Migrate Cloudify PaaSify SaaSify



Decision driven options for customers to move up the chain





On-Prem



6

5 Scan methods in SurPaaS®

Fast Scan

For Lift & Shift

Scans 100s of servers in an hour

Optimal data gathering

Detailed Scan Agentless

For Lift & Shift/Smart migration

15-30 min* per VM/Server

Comprehensive reports with Dependency mapping

Extended Scan Agentless

Can run for specified days/hours

Perf data gathered over time

Accurate sizing

Deep Scan Agent

For Smart migration

Additional workload specific data

Re-platforming and Hybrid migration

Import From Other Tools

Import through templates or connectors

From Asset and Inventory discovery tools

Lansweeper, Movere, etc.



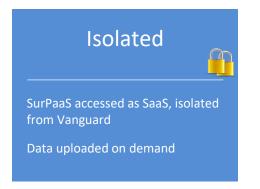
3 Secure Scenarios for Datacenter Assessment

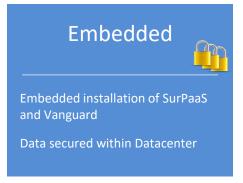


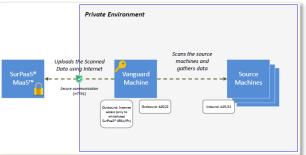
Software Penetration Tested

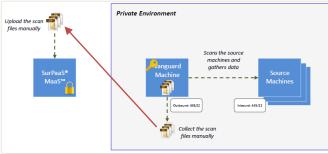
Security Guidelines Documents

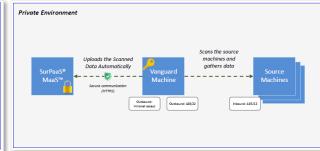






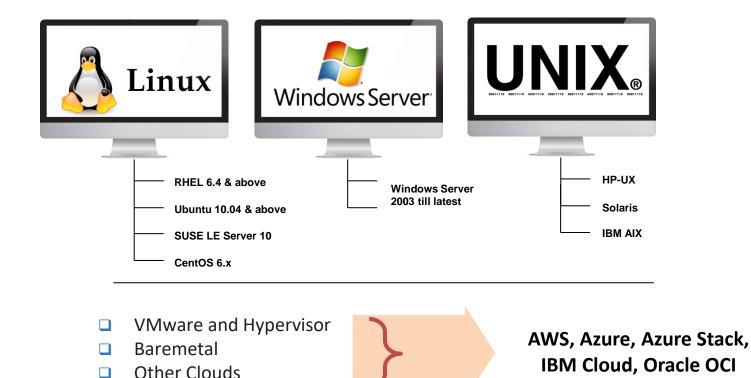






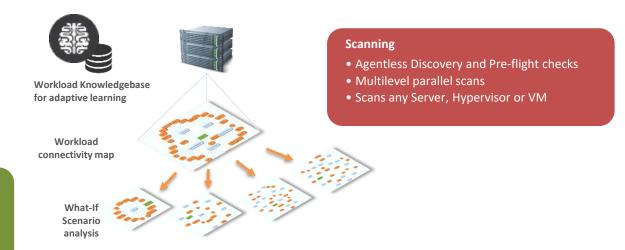


Platforms for Assessment and Migration





An innovative approach for Datacenter Assessment

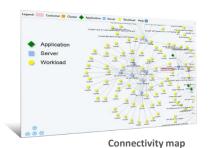


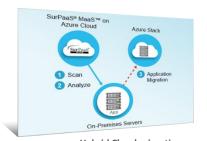
Assessment

- Best practices & PaaS advisory
- Objective based Sizing & cost modelling
- Multiple What-If scenario analysis, move group analysis and R'lane (6R) charts









TCO & Rightsizing Migration R'lane Strategy

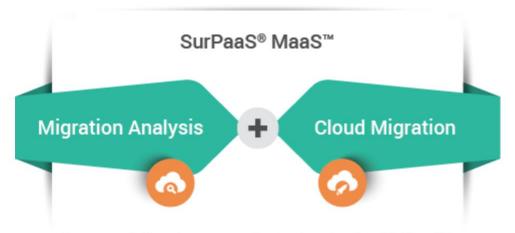
Hybrid Cloud migration

10



Corent Confidential

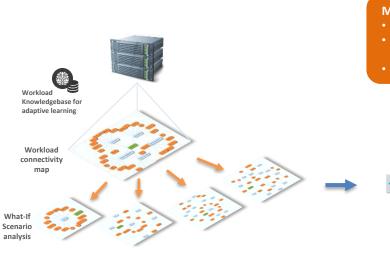
Unique integrated Assessment and Migration



You can deliver it 'as a service' using SurPaaS® MaaS™



Integrated multiple Migration options



Migration

- Multilevel Parallel Lift & Shift
- Smart, PaaS & Hybrid Shift to Azure/Azure Stack
- Integration of Microsoft ASR/DMS

Post Migration

- Application Config Automation
- Zero point sync till Switchover
- Source Server auto shutdown









Container Shift

12

Multiple migration options









Multi Cloud migration

Container migration



Corent Confidential

Leveraging the different layers on Cloud

laaSBase infrastructure

PaaS

Tools and platforms

Services

Containers and Serverless Computing

SaaS

Software delivered as Service



Compute



Network



Storage





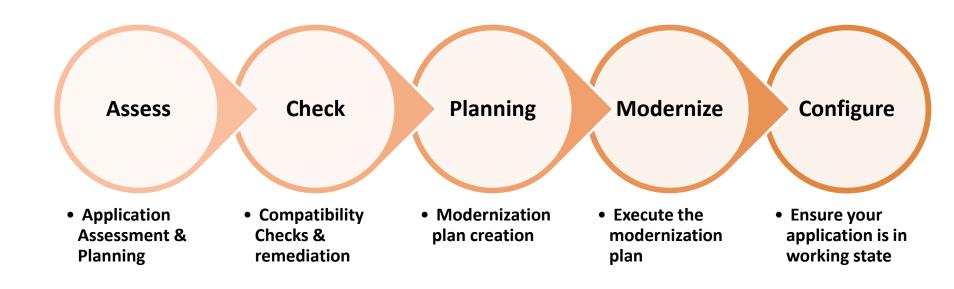








Process of Modernization





Scanning and Assessing your Application

- Multiple methods to scan
 - Quick scan, Agentless, Extended, Deep scanning...

Assess workloads that match Modernization criteria

 Deeper scan and analysis to check feasibility and compatibility

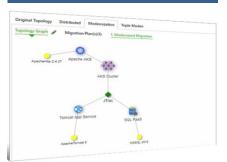


Application Modernization choices in SurPaaS (PaaS/Containers)

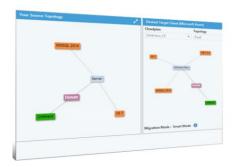
- Where do I look for **PaaS and Container** candidates in my application?
- How do I modernize?



Scan and Assess for Modernization



Serverless Application Services mapping and Migration



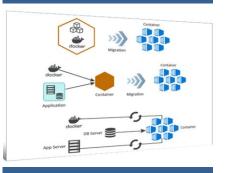
Re-platforming to redeploy workloads



Containerization of workloads



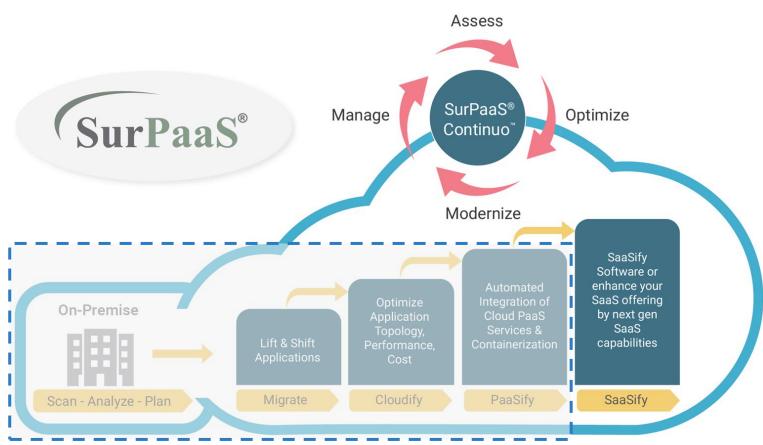
DB PaaS Service mapping and Migration



Migration Kubernetes Services



Assessment, Migration and Modernization using SurPaaS





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About GDIT

Diverse and Talented Workforce

30,000

14,000+ TECHNOLOGIST 7,000+

EMPLOYEES

Global Operations

400 CUSTOMER LOCATIONS 229 FACILITIES 30 COUNTRIES

Experience

50+ YEARS OF SERVICE 90+ ALLIANCE PARTNERS 4,000 CONTRACTS

Who We Serve

- Defense
- Health
- Federal Civilian
- Intelligence Community
- State
- · National Security

GDIT

Cloud transformations made clear.

TALENT

3,000+

Cloud professionals supporting the federal government and state/local 14,000+

Cleared professionals

500+

Cloud certifications

EXPERIENCE

10+

Years of cloud experience

+08

Cloud projects

100+

PB data migrated

Supporting Cloud at all classification levels

60,000+

Managed cloud instances

500+

Applications migrated

200,000+

Migrated email accounts

gdit.com/cloud

Challenges in the Public Sector

QUESTIONS HEARD FROM THE PUBLIC SECTOR

What are laaS, PaaS, SaaS? More importantly, what can they do for my application?

What can the cloud do for my business?

How do I migrate to the cloud? What happens afterwards?

What applications do I have? Can they be moved to the cloud?

How do licenses work in the cloud?

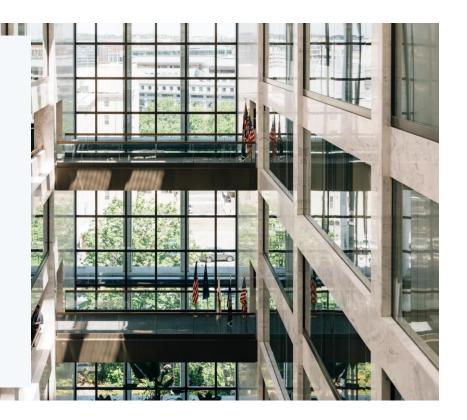
Can I model my cloud architecture?

Is the cloud secure? Does the CSP share in security tasks?

How do I migrate a production application to the cloud without interruption?

How do I determine the cost difference in the cloud?

How do I stay informed of the latest cloud technologies?





GDIT Move 2 Cloud Solution (Cloud Migration)

Move 2 Cloud (M2C) is a structured and secure framework to move an agency's legacy systems and data to the cloud. The framework is platform agnostic, which allows the best technologies from our extensive cloud partner ecosystem to be used to meet customer technology and budget needs.

M2C gives our customers an audit trial through each migration phase:

- Discover and Assess: Understand the portfolio and planning
- Plan & Migrate: Rapidly plan, prepare and move workloads
- Operate and Optimize:
 Monitor, sustain and ensure optimal performance

Discover & Assess



- · Strategy Workshops
- · Portfolio Discovery
- App Rationalization & Disposition
- · Security Assessment
- · Cloud Suitability & Architecture
- Roadmap

Plan & Migrate



- App Categorization
- Migration Planning
- · Security & Test Planning
- · App Migration
- Migration & Security Testing
- · Application ATO Support
- · Production Deployment

Operate & Optimize



- · Post Migration Support
- · Steady State Support
- · Infrastructure Optimization
- · Service Automation

GDIT STRENGTHS

Workload insights enriched by automated discovery tools

Smart rationalization through 6-R Decision Framework

Corent

Risk mitigation through migration pilots and security & test planning

Rapid delivery through Agile sprints and migration & recovery automation

Corent

Performance optimization through continuous monitoring, measurement & tuning

Cloud ROI assurance through resource monitoring, economic analysis and service tuning







Choosing the Right Tool Analysis of Alternatives (AOA) Methodology

Review

- · Reviewed past and current public sector migrations
- · Analyzed past three years of public sector RFIs and RFPs

Findings

- 80% of migration requirements were the same
- 20% were unique to the agency

Use Cases

- · Created use cases based on categorization
- Paper Analysis of Alternatives (AOA) against all COTS, CSP, and Open Source migrations tools available on the market

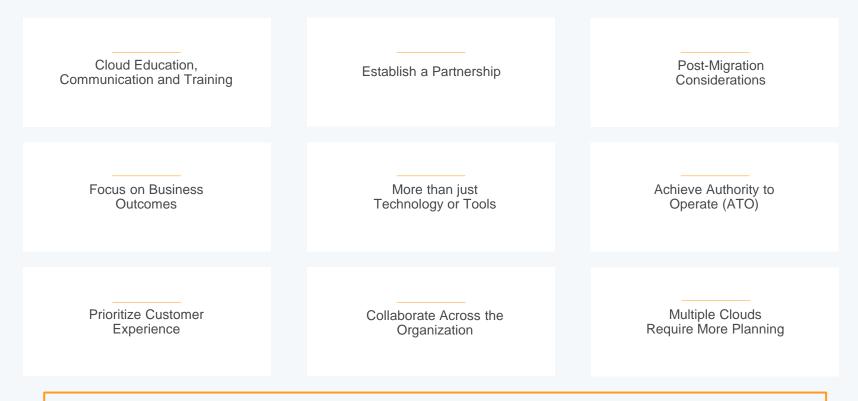
Testing

- Tested top 10 in a lab and narrowed to top 5
- Corent SurPaaS rose to the top





Public Sector Lessons Learned



A proper migration process is key when coupled with the right tool and experienced people for modernization success.



GENERAL DYNAMICS

Information Technology

