Architect Tomorrow:
Taming Software Complexity

Getting insight into software and related risks in the wild in the enterprise

Oliver Cronk, Community Lead - Architect Tomorrow & Chief IT Architect EMEA, Tanium
Steve Blankenship | IT Director | Salisbury University (Tanium Customer)

© 2021 Tanium. All rights reserved.

Architect Tomorrow

Business Technology Strategy & **Architecture**
Podcast Mashup Series

CONSULTANTS SAYING THINGS

tech after five

The Argument
Business Technology Debates
IASA

straighttalk
BUSINESS ARCHITECTURE DISTILLED, SIMPLE, WITH A BIT OF FUN™

https://youtube.com/ArchitectTomorrow/

© 2021 Tanium. All rights reserved.

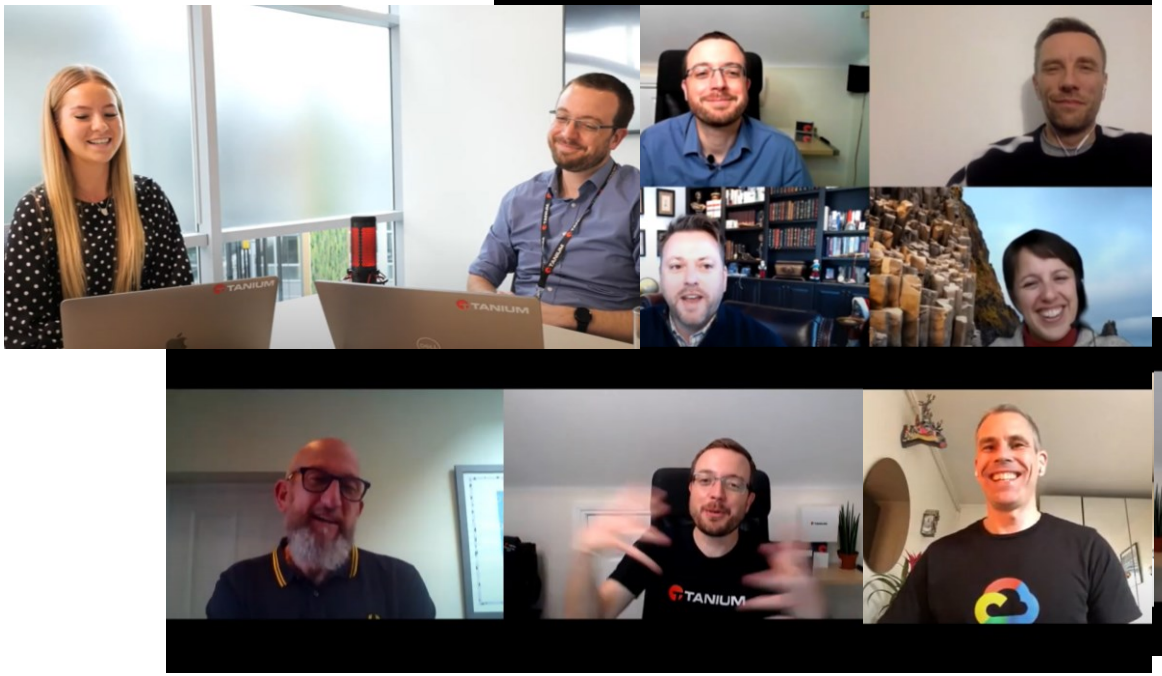
Architect Tomorrow Highlights

Some of the highlights of Architect Tomorrow

https://youtube.com/ArchitectTomorrow/

Opinions on and experience of:

- Effectiveness of Enterprise Architecture
- Tech and Business Trends
- Importance of IT & Cyber Hygiene
- DevSecOps?!
- The SoC of the future



© 2021 Tanium. All rights reserved.

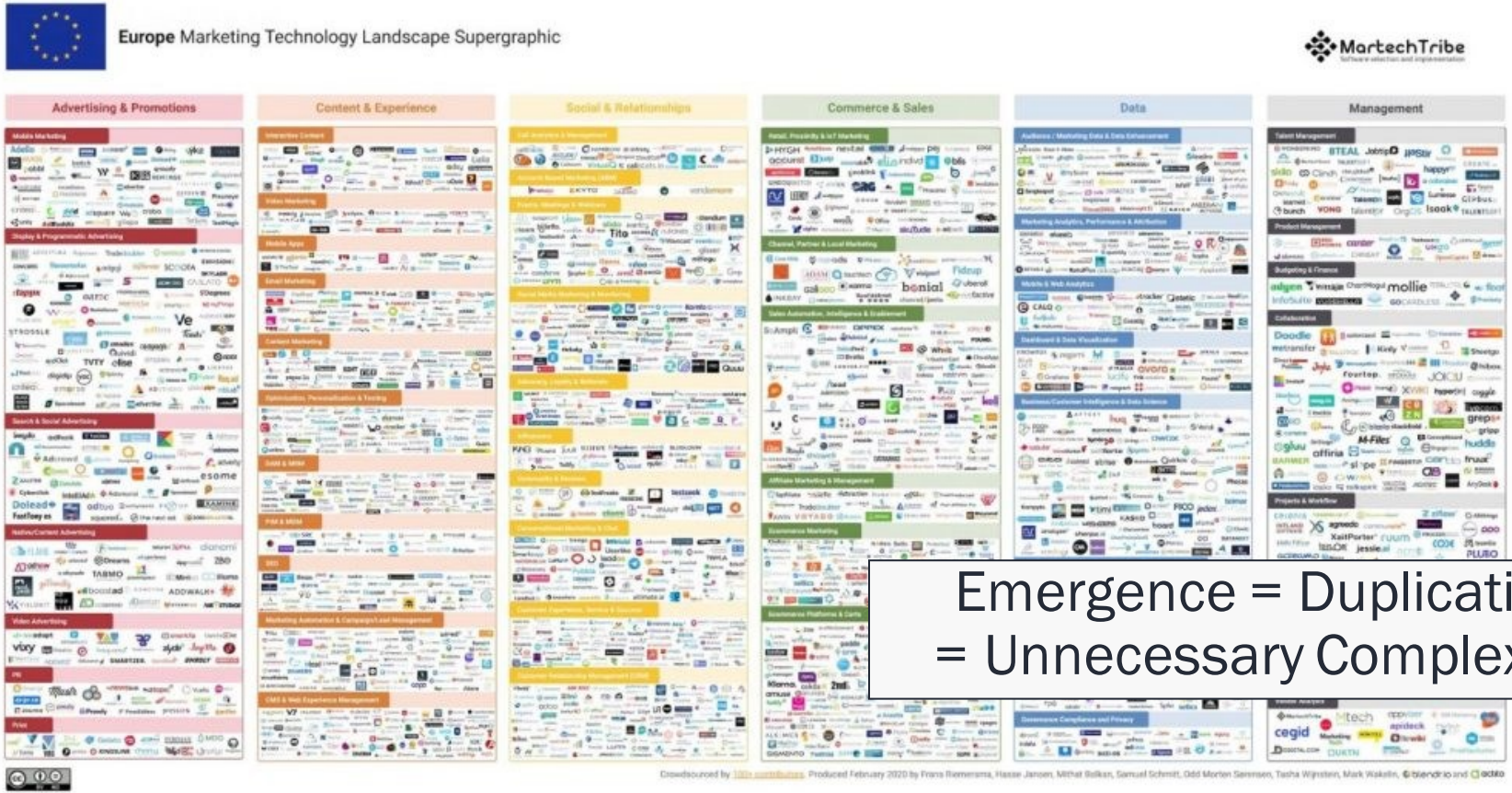
Taming Software Complexity

Software Architecture vs Application Architecture

- Many presentations today have been about Software Architecture – we will touch on this
- We will major on **Application Architecture Complexity** – in particular emergent / accidental architecture
- Moving towards Managed Diversity & Managing the risks hiding in the complexity and how to get on top of them

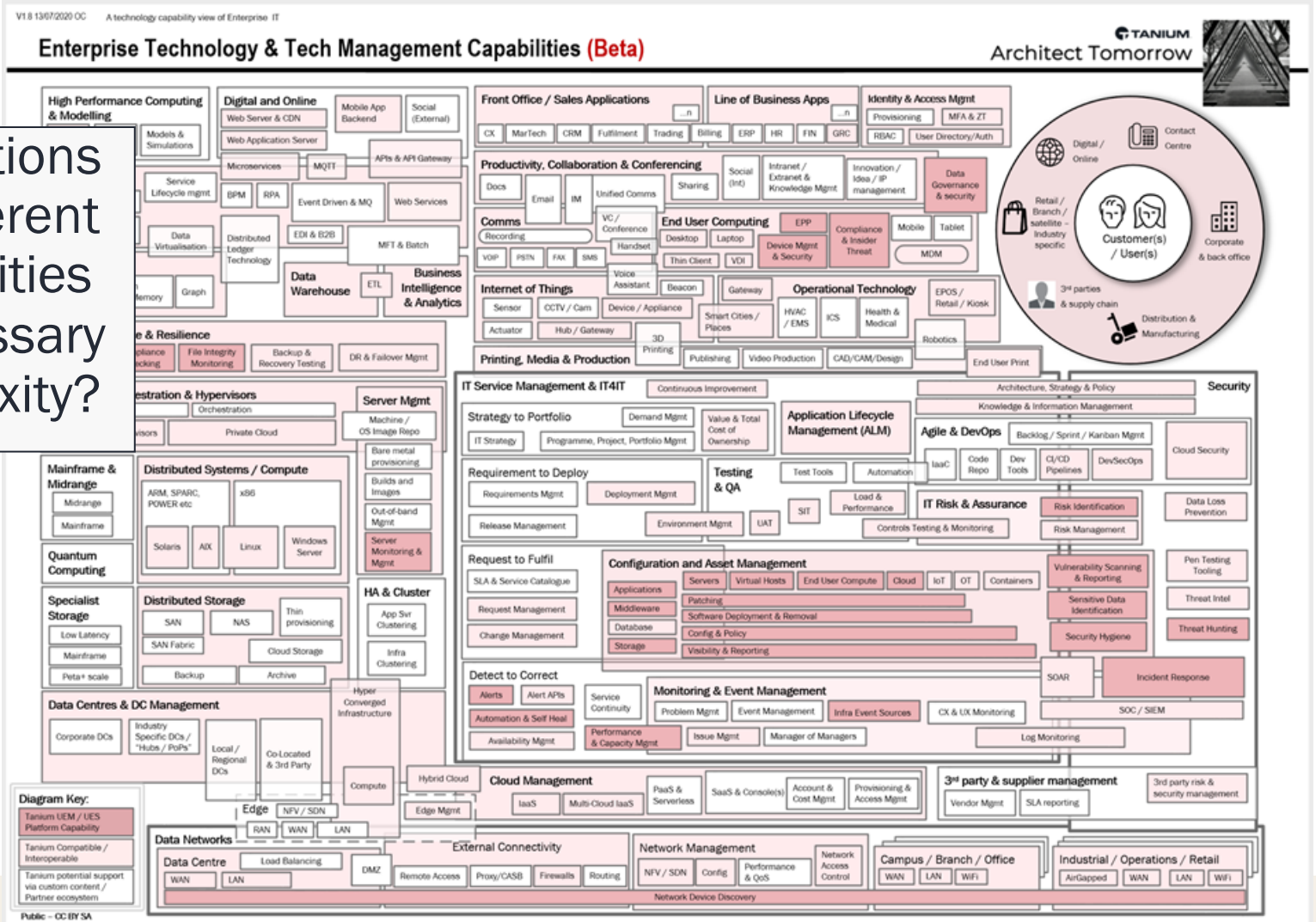
© 2021 Tanium. All rights reserved.

Example: End users selecting Marketing Applications



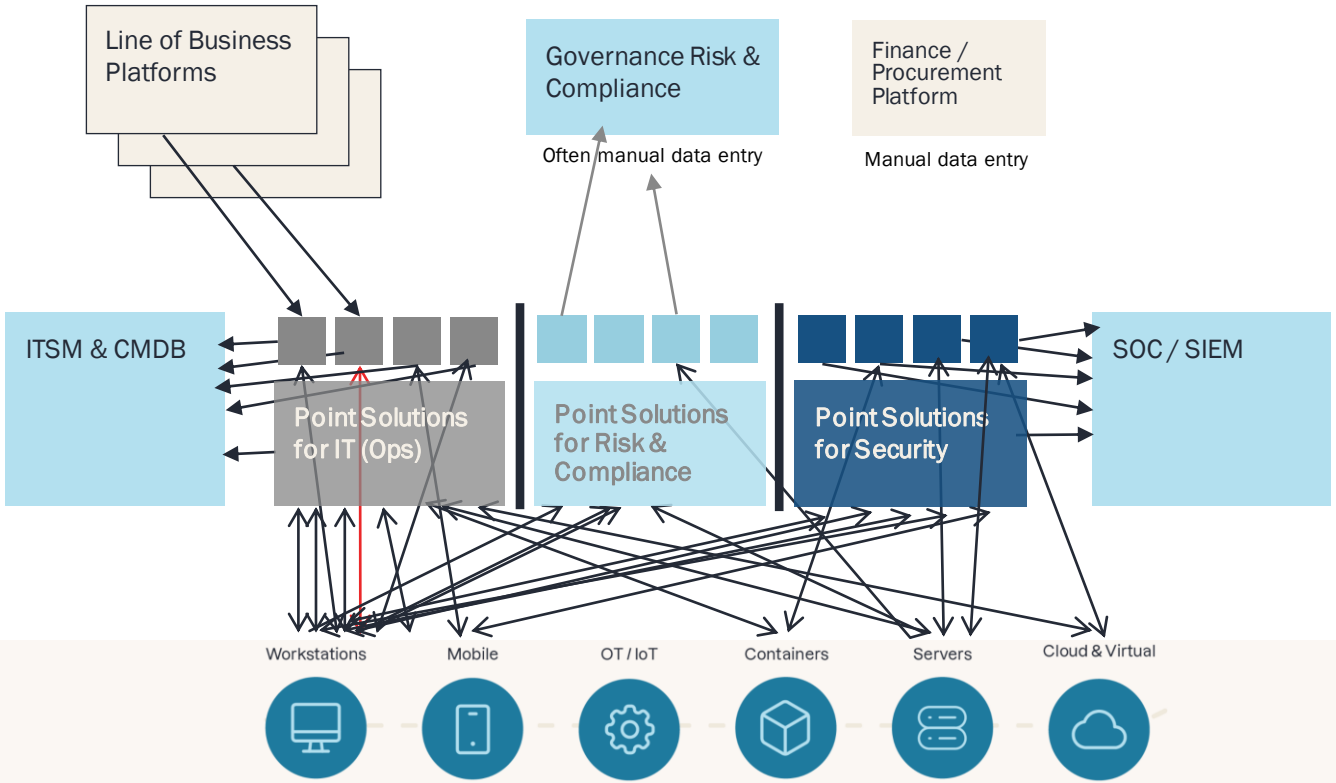
Emergence = Duplication
= Unnecessary Complexity?

Applications for different capabilities = Necessary Complexity?



The realities of “accidental” **point solution** architecture

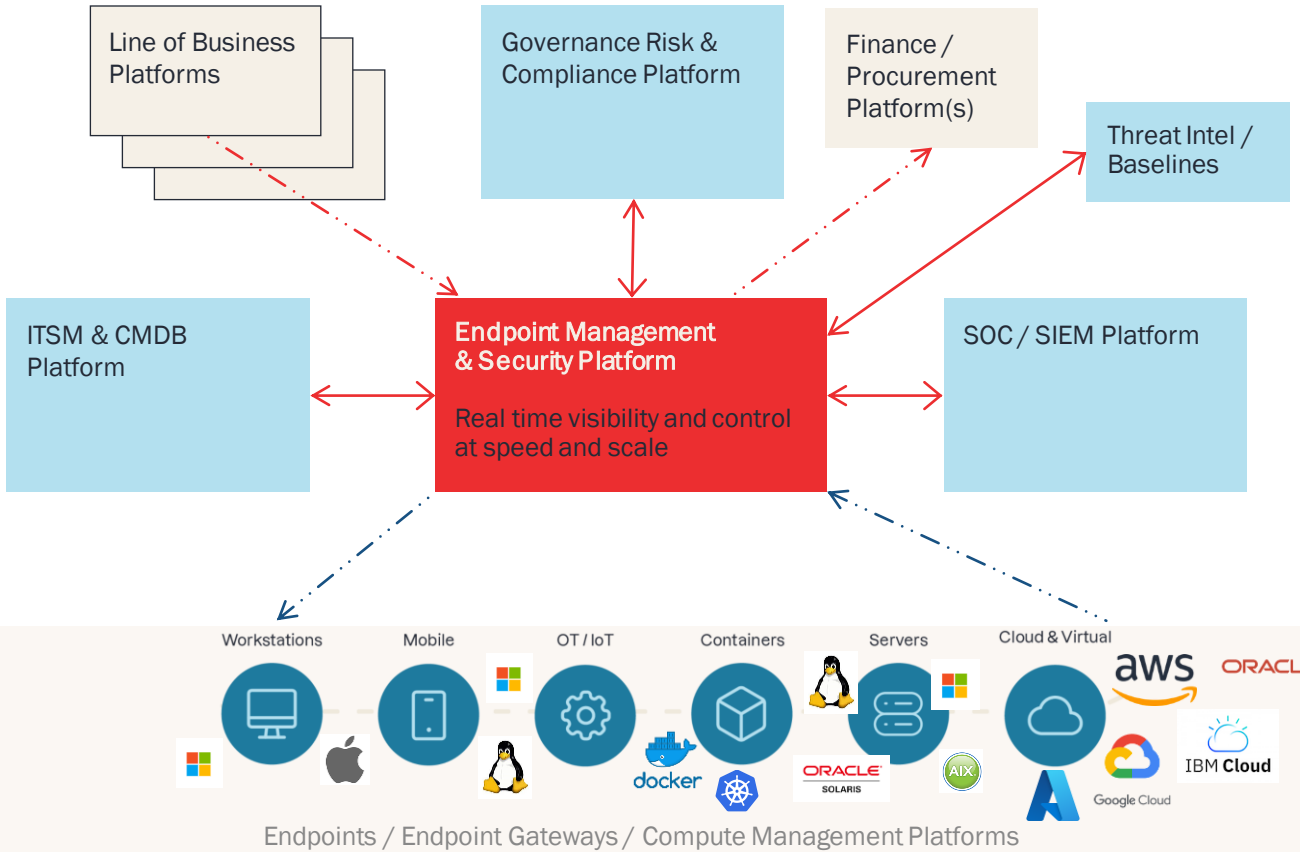
Tactical point solutions create a mess of complexity, high cost and arguments over different data and reports. Leading to distrust, silos and hoarding of information



Partial and often broken coverage of Endpoints

© 2021 Tanium. All rights reserved.

High Level Security, Risk & Operations **Platform** Architecture



Leveraging and integrating Platforms over point solutions reduces complexity, cost and risk. Increases trust, transparency and cross functional collaboration

© 2021 Tanium. All rights reserved.

Discussion With Steve

© 2021 Tanium. All rights reserved.

TANIUM

The Power of Certainty

OUTCOMES

Visibility	Control	Speed	Truth
Know everything now	**Take control**	**Accelerate Actions**	**Align teams**
See into every endpoint, managed or unmanaged, with complete, accurate and real-time data in seconds.	Whether on premises or in the cloud, take control of your entire IT estate in seconds with minimal network impact.	Contain, remediate or patch emerging incidents at scale in minutes and take a proactive approach to IT management.	With a single source of truth, gain a shared understanding of all the data across your entire environment.

SOLUTIONS

Risk and Compliance

Stay ahead of exploits

Client Management

Control your IT assets with confidence

Asset Discovery and inventory

See everything on every endpoint

Threat Hunting

Shut down attackers

Sensitive Data Monitoring

Gain complete control of all your data

FOUNDATION

Tanium's Next-Gen Architecture addresses the challenges of Today and Tomorrow

Extensible Data Sources	Distributed Communications Protocol	Lightweight Agent
Collect new, ad-hoc data from your endpoints at will	Gather and distribute data to millions of endpoints with Zero infrastructure in seconds	A single agent with minimal endpoint performance that can fit on the smallest chips

© 2021 Tanium. All rights reserved.

TANIUM

Thank You

www.tanium.com

@cronky

info@tanium.com