



Building & Securing a S/4HANA Cloud Environment **Why Infrastructure Matters**

Brett Murphy

A blue-tinted photograph of a city skyline at night, featuring several illuminated skyscrapers and a prominent tower with a glowing spherical top. The scene is viewed from a distance, showing a parking lot and some lower buildings in the foreground.

Nov
10
2023

Trusted Advisor

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Client Executive



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<https://www.cleartechnologies.net/sap/>

Passionate evangelist for Enterprise Compute, Storage & Software infrastructure. Recognized specialist in enterprise architecture, software cost reduction and competitive selling. Focus over the past 12 years has been on Architecture & Solution Design for clients running large, complex ERP environments.

<https://www.linkedin.com/in/murphy-brett/>



About Clear Technologies



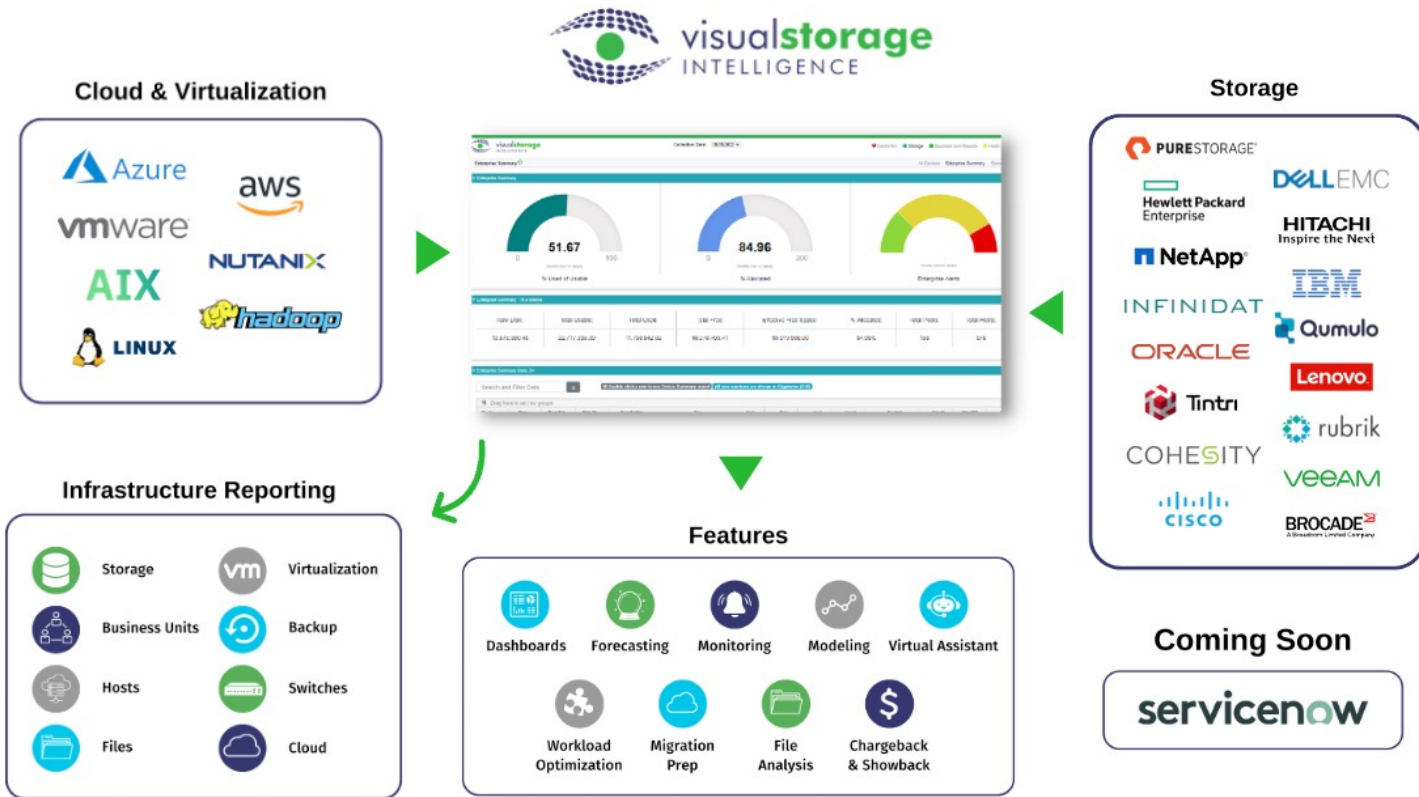
- Traditional Infrastructure VAR
 - Compute, Storage & Networking
- SAP Infrastructure Practice
- Security Practice
- Small Managed Service Practice
- Infrastructure Consulting Services
- Woman owned business (WBENC)



- Cloud based storage reporting, capacity planning and analytics
- VMware vSphere and SAN multi-platform storage dashboard
- Proactively audit and monitor IT infrastructure



Visual Storage Intelligence



Clear's SAP Practice

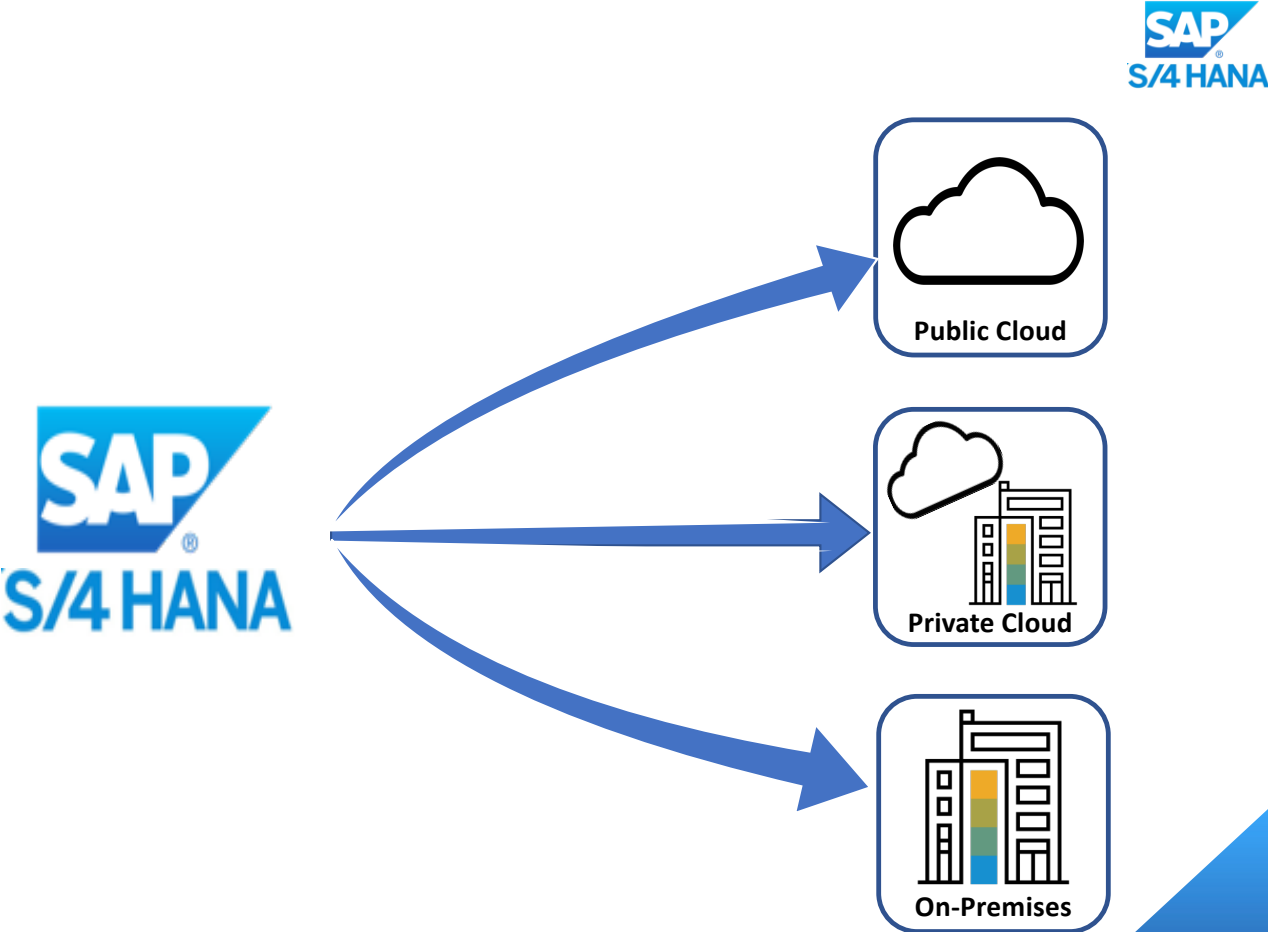


- On-premises, Private Cloud and Public Cloud hosting & infrastructure reseller
- HANA sizing
- Hardware, Software & Services focused

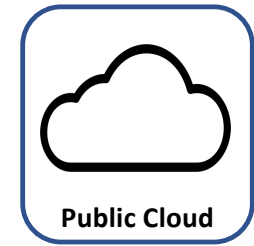
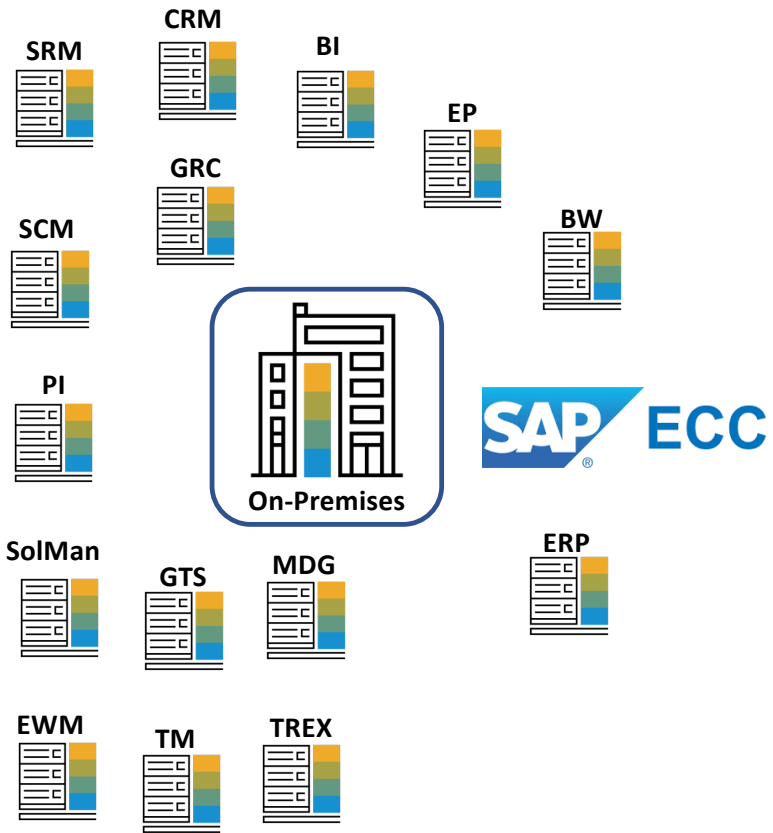
- SAP HANA Readiness Assessment
- Cyber Resiliency Assessment
- Affiliated with a SI Partner
- Affiliated with Migration Partner(s)
- Affiliated with Managed Service Partner(s)



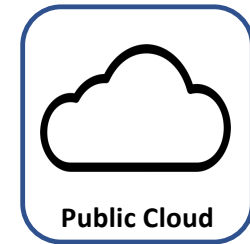
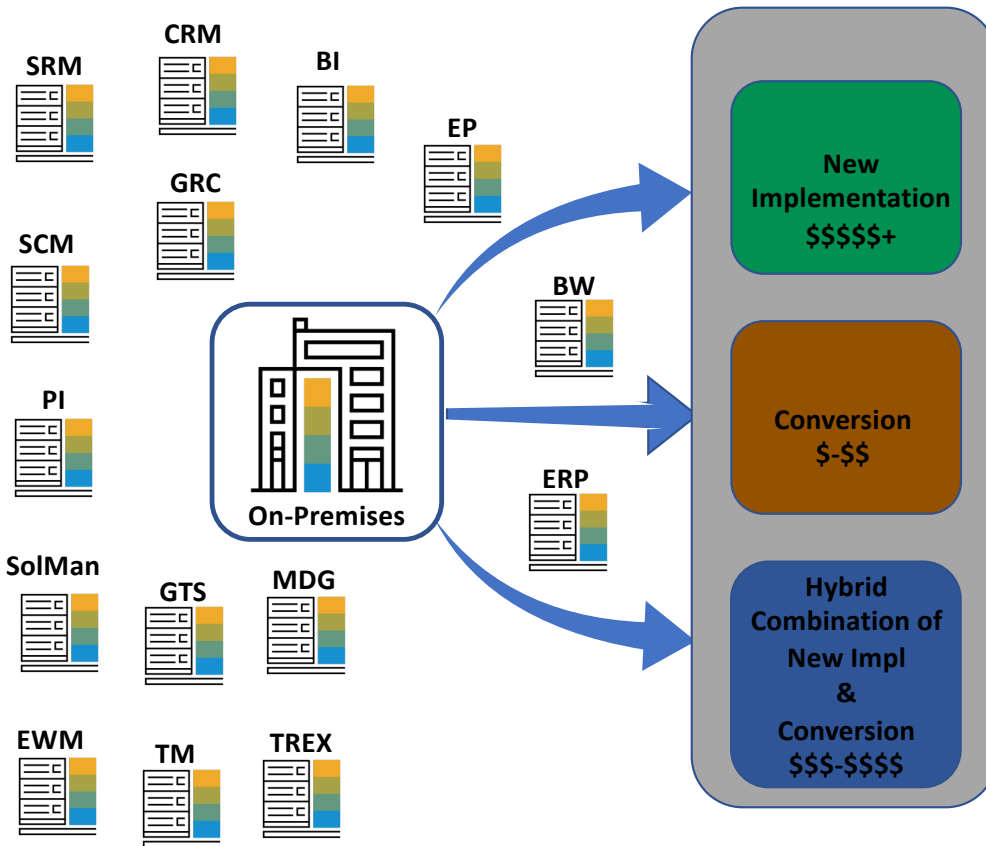
Hosting HANA



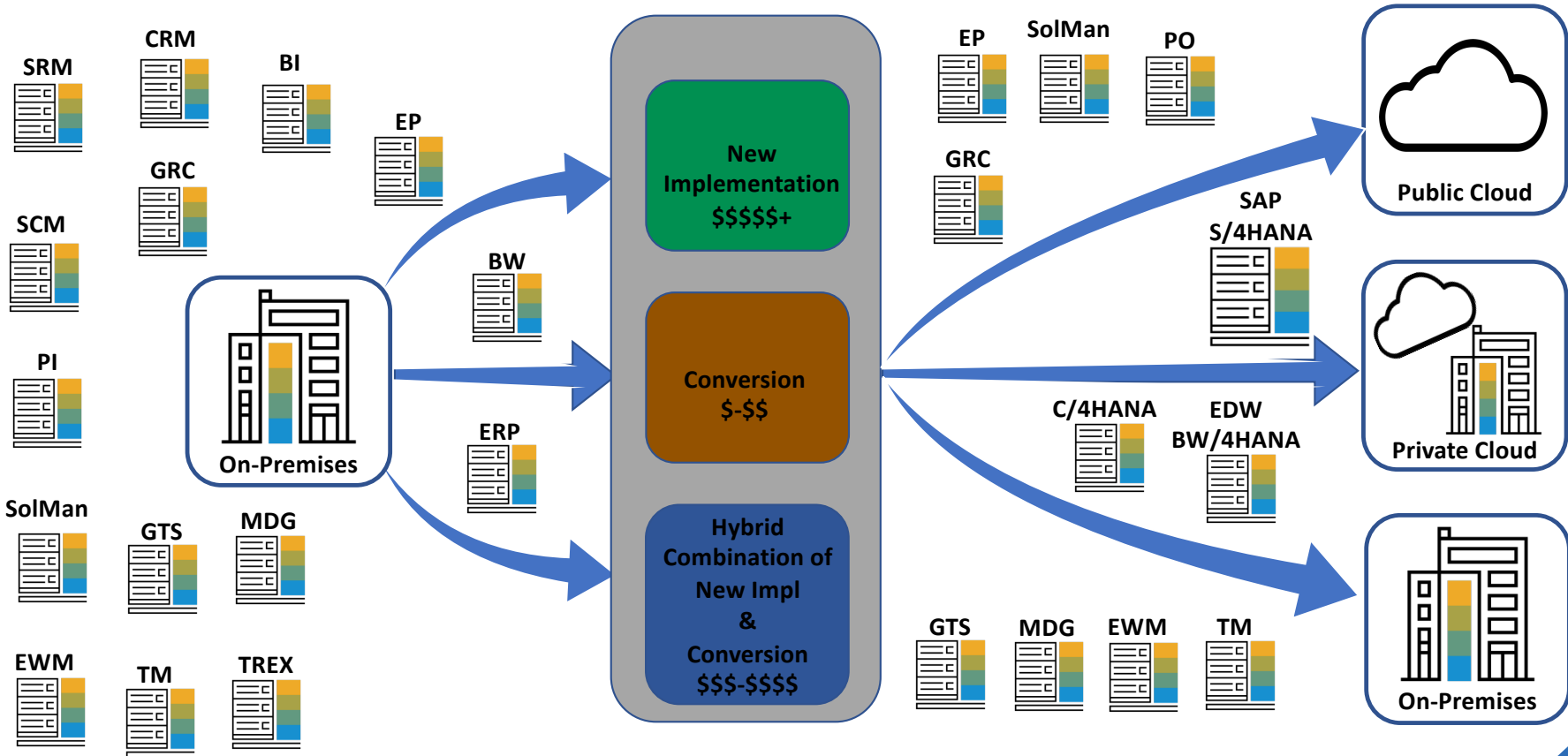
In the beginning ...



Decisions - Decisions



HANA Ready



Be an Informed Consumer

Ford's CEO had a charging 'reality check' on his electric F-150 Lightning road trip

Nora Naughton

Updated August 14, 2023 · 2 min read

↑ 937

"Charging has been pretty challenging,"

Ford CEO Jim Farley hit the road in an electric F-150 Lightning last week.

Just because companies claim something is the direction everyone is going, or the next wave could also mean it is where they are driving you to vs consumers asking for it.

B. Murphy



Resources

Clear Technologies

<https://www.cleartechnologies.net/sap/>

ITIC Security Survey Results

<https://www.ibm.com/downloads/cas/BGARGJRZ>

ITIC Reliability Survey Results

<https://lnkd.in/dDbwVe77>

SAP Blog – SAP HANA on Power10

<https://blogs.sap.com/2023/03/17/sap-hana-on-ibm-power10/>

SAP Note 2100010

SAP HANA: Popular Misconceptions

RISE with SAP: Shared Security Responsibility for SAP Cloud Services (slide 11 Security bullet)

<https://blogs.sap.com/2021/09/15/rise-with-sap-shared-security-responsibility-for-sap-cloud-services/>

Gartner says hold onto your wallets as SAP's cloud pitch trades control for convenience

https://www.theregister.com/2023/09/01/gartner_rise_with_sap/

No customer left behind; SAP's Klein tells users angered by cloud-only decision

https://www.theregister.com/2023/09/25/no_customer_left_behind_saps/

Users slam SAP's public cloud and S/4HANA migration strategy

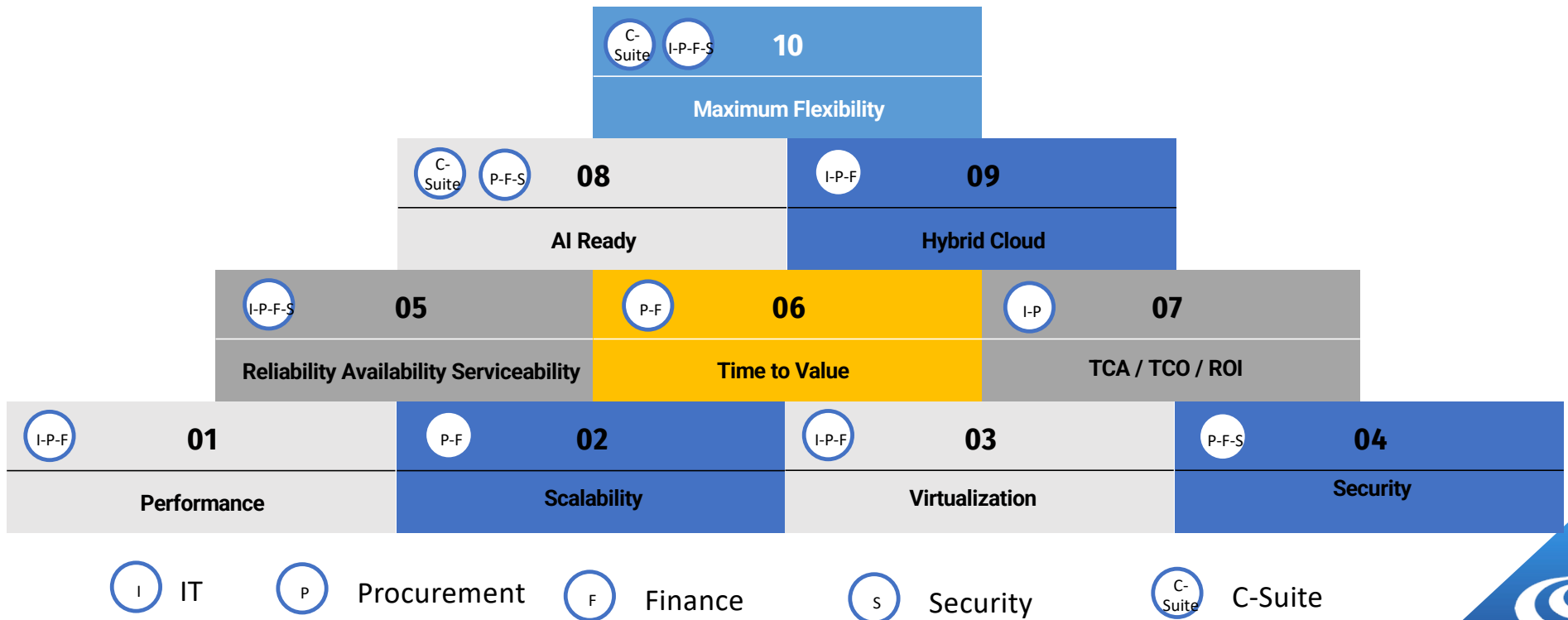
https://www.theregister.com/2023/04/05/sap_s4_hana_cloud_strategy/

SAP Blog – SAP HANA on Power10

<https://blogs.sap.com/2023/03/17/sap-hana-on-ibm-power10/>



Obtaining the Desirable End State



IBM Power

Visit us: <https://www.ibm.com/it-infrastructure/power>
Watch "The Legacy and Future of IBM POWER with IBM POWER10"

SAP HANA EXCELLENCE



Best SAP Performance

2.7x ~8,000
SAPS/co

Per core performance of 8-socket E1080 two-tier SAP SD benchmark compared to best x86 8-socket HPE Superdome Flex



Largest Customers

45

IBM Cloud - PowerVS Private Cloud

of America's top 50 largest revenue generating companies are active Power customers



Most Reliable

>=99.999%

Availability rating in ITIC survey of 1,200 corporations across 28 vertical markets



Scale SAP on Power

100GB



40TB

Largest certified Memory instance



SAP on Power

>4,500

SAP HANA on Power customers



Highly Secure

Default Encrypted Memory @ no additional cost
Trusted (Secure) Boot, Firewall & , EDR, MFA, SCAP
4X crypto engines supporting AES, SHA2, and SHA3

<0.013%

Security vulnerabilities in PowerVM hypervisor compared to VMware



SAP on Power

16 LPARs

Highest # of production virtual partitions

4 core 64GB to 240 core 64 TB Systems



AI on Power

42%

More inferencing throughput v x86

<1s

Inferencing latency

No-cost!

SAP HANA Readiness Assessment

Cyber Security Assessment

Storage & Capacity Planning Assessment



Thank you

Q&A

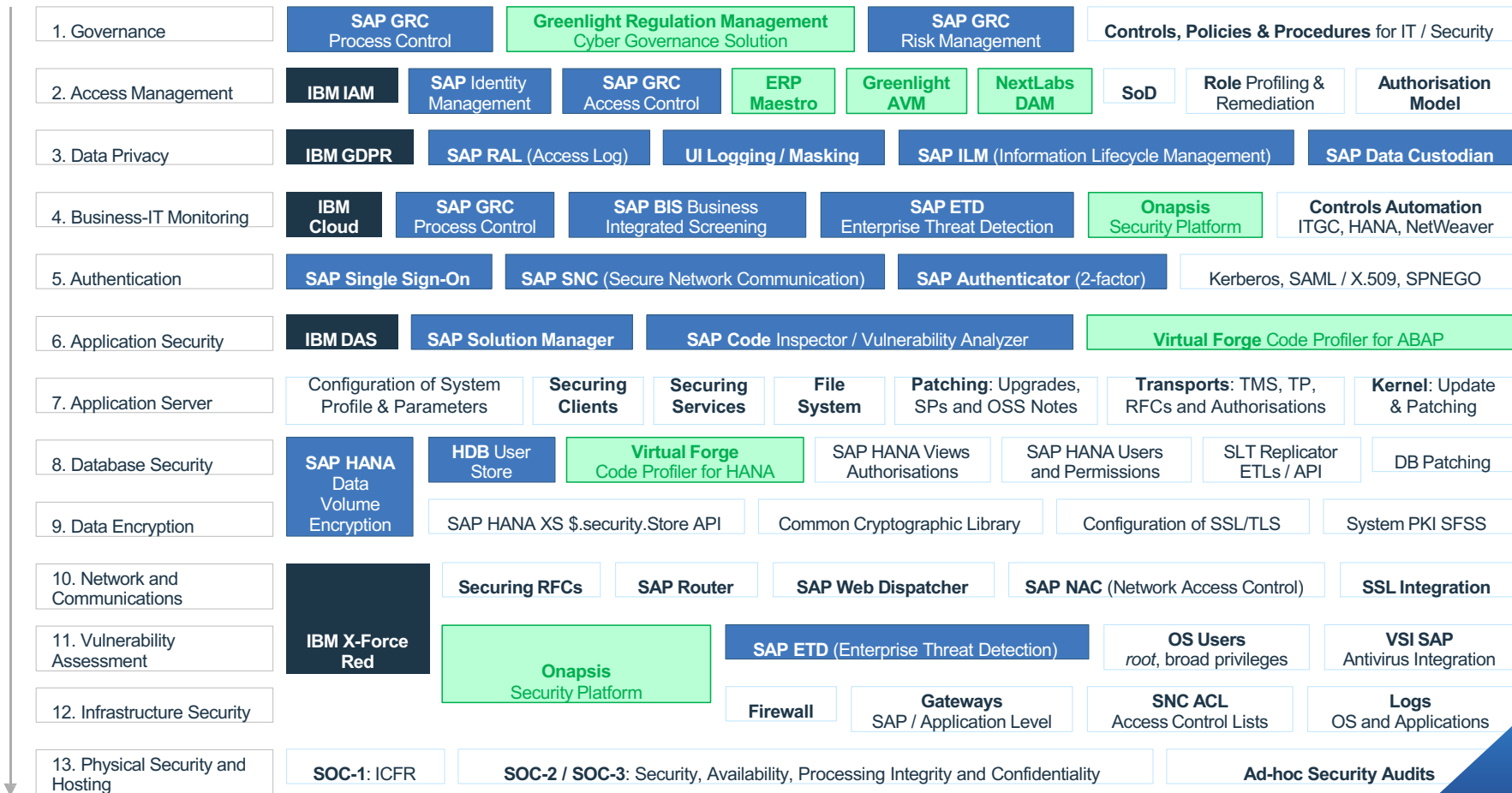


13 Layers of SAP Security

Security Layers SAP product

Sub-competency 3rd Party product

IBM point of view of SAP Security



Partnership & Trusted Advisor

We are a single point of contact, committed to consistently delivering the solution and services that are the best fit for your business.

- 30-year Value-Added Reseller
- Long history with Systems & Storage
- Strategic focus on SAP, and other innovative solutions
- Extraordinary Net Promotor Score
- Cognitive Leadership Program
- 3 IBM Champions

