SAS® GLOBAL FORUM 2018

USERS PROGRAM

April 8 – 11 | Denver, CO
Colorado Convention Center

#SASGF

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Running SAS Viya on Oracle Cloud without Sacrificing Performance

Dan Grant, Senior Director ISV Business Development, Oracle Corporation

Dan Grant has worked at Oracle for 10+ years helping Partners to build their applications on Oracle's industry leading solutions. He has been working in the High Tech industry for over 20 years and is currently focused on assisting Oracle Partners to move their applications to the Oracle cloud.

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Why move Analytics to the Cloud?

- Pressure to lower costs while meeting increased requirements
  - Delays due to lack of infrastructure and/or capacity are no longer acceptable
  - Pay for what you need when you need it
  - Need to reduce CAPEX while increasing capacity
- Transformation to the Cloud
  - Data is moving to the cloud and analytics must follow
  - Connect and Extend Analytics across the enterprise
- Flexibility
  - Exponential growth of data - Elasticity of infrastructure is essential
  - Scalability without sacrificing performance
  - Require deployment options: Public, Hybrid, Cloud at Customer

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Barriers to Cloud Adoption

- Sacrificing Performance
  - SAS Grid requires a minimum of 125mg per second per core
  - Moving from on premises to a virtualized environment in the cloud
  - Latency issues – Need to keep Analytics application close to the data
- Customer Experience
  - Impact to Performance
  - Concerns over extending currents investment to the cloud
  - Consistent User Experience from on premises to the cloud
- Security of Data
  - Government and/or industry compliance requirements
  - Internal corporate data requirements

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Oracle breaks down those Barriers

- Pre-configured Oracle Cloud Environment, performance tested to run SAS. Benchmark results were equal to or greater than on premises
- Consistent user experience – SAS will run identically in the Oracle Cloud as it does on premises
- Provision Oracle Cloud Infrastructure with SAS Viya, including all prerequisites from a script
- Comprehensive security across all layers from IaaS, PaaS to SaaS
- Multiple deployment options – public, hybrid or cloud at customer

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Oracle Cloud Infrastructure

10x Faster & 20% Cheaper than AWS

- Broad Range of Elastic Compute
  - Bare Metal and VMs with NVMe, Containers
  - Provision in minutes; Pay by the hour, Elastic & scalable
- Secure, High Performing, Flexible Networking
  - Manage your own high scale private IP networks
  - Elastic extension of on-premises network – IPSec VPN, FastConnect,
  - Stateful firewalls; optional Internet gateway
- High Performance Storage
  - Local NVMe servers delivering millions of IOPS
  - Dynamically attachable flash-based Block Storage with consistent general purpose IOPS
  - High performance, high durability Object Storage, running in same network fabric

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Oracle Security Products

Data protection

- Advanced Security
- Data Masking and Subsetting
- Key Vault

Monitoring, blocking and auditing

- Audit Vault and Database Firewall
- Security Monitoring and Analytics Cloud Service
- Cloud Access Security Broker (CASB) Cloud Service

Access control

- Identity Cloud Service
- Access Management
- Identity Governance
- Database Vault & Label Security
- Centralized Directory

Secure configuration

- Configuration and Compliance Cloud Service
- Enterprise Manager: Configuration Mgmt.

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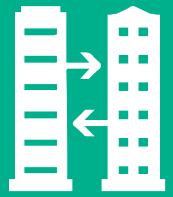
What Makes Oracle Cloud Different



Choice of Deployment

AWS only runs on AWS
Oracle Cloud at Customer

Ease of Migration

Lift and Shift & Ravello

Oracle Cloud Infrastructure

Not available from AWS or Azure
10x faster and 20% cheaper

Predictable Performance

Better Networks
Oracle does not oversubscribe

Engineered Systems

On-Premise and Prop Hosting
On ramp to the Cloud

Enterprise Workloads, Service & Support

Complete, Open, Secure, Choice

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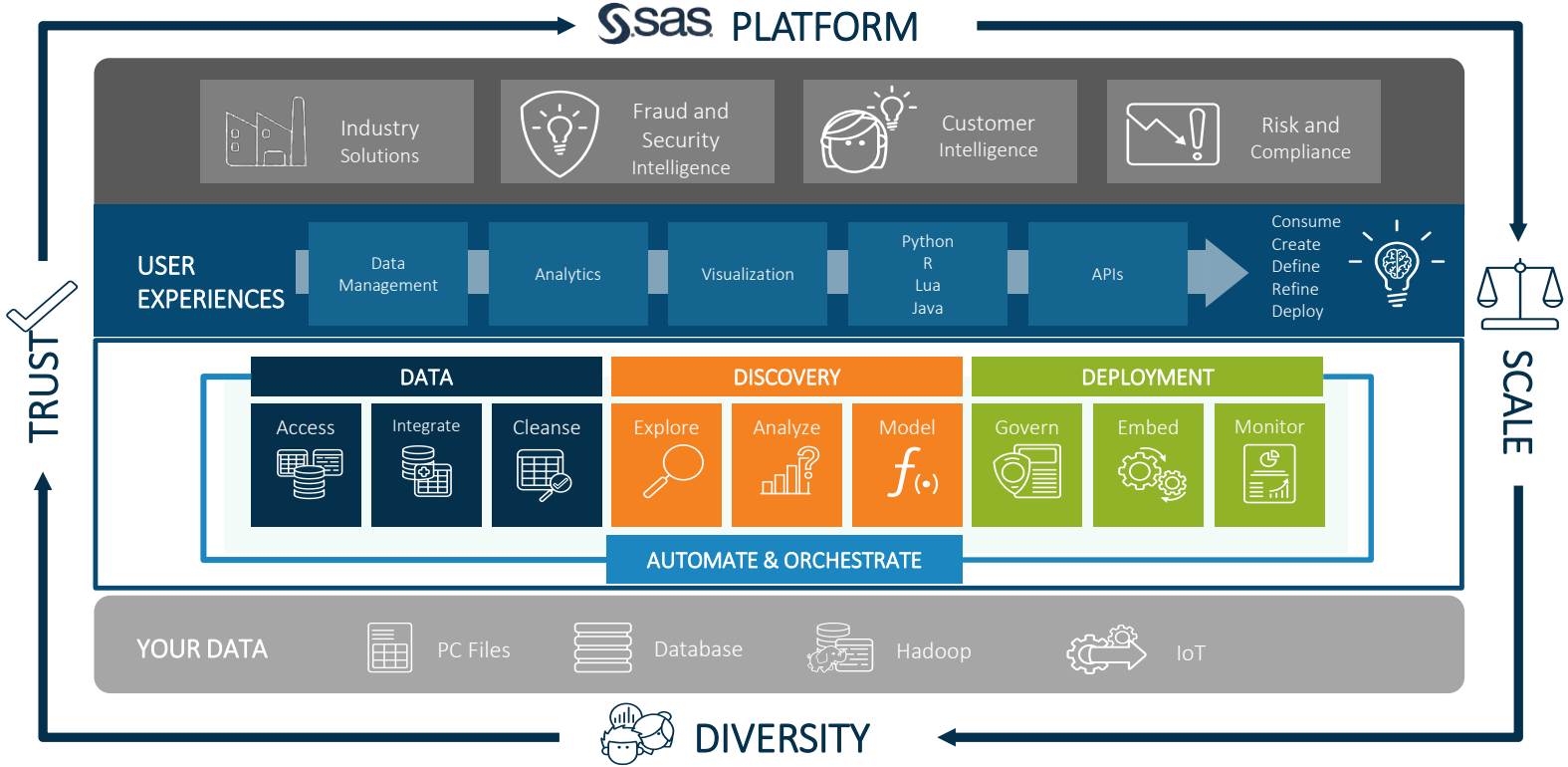

ORACLE

On-Premises, Public,
Hybrid Cloud, Cloud @ Customer

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