

IT Matters

An action plan for
Microsoft 365 governance



GOVERNANCE

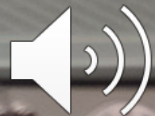
About me...



Roy Martinez
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- Background in solutions architecture and design
- 16 years of experience designing, deploying, protecting, and securing IT infrastructure
- Supported military, legal, healthcare, banking, and government verticals







PROACTIVE AT ALL TIMES



GOVERNANCE

**DID YOU
KNOW?**

NASA's **Mission Control Center (MCC)** was located in Houston, Texas and was responsible for the management of all manned space flights. Today, the MCC is still an active control center for the International Space Station (ISS).

Governance requires **centralization** and **control**, which is what MCC provided for the manned space flights. Similarly, centralized control of cloud environments is essential for governance.



DID YOU KNOW?

During the **Apollo 11 mission**, Neil Armstrong and Buzz Aldrin left behind an American flag and a plaque that read, "Here men from the planet Earth first set foot upon the Moon, July 1969 A.D. We came in peace for all mankind."

Governance is not only about rules and regulations, but also about **ethics** and **values**. NASA's mission to explore space and share its discoveries with the world exemplifies good governance.



DID YOU KNOW?


The **Apollo 13 mission**, which was supposed to be the third manned mission to land on the Moon, suffered an oxygen tank explosion that severely damaged the spacecraft. The mission had to be aborted, and the astronauts had to return to Earth in the lunar module

Good governance requires **risk management** and **contingency planning**. NASA's ability to handle the crisis and bring the astronauts back safely demonstrated effective governance.

**DID YOU
KNOW?**

NASA's **Jet Propulsion Laboratory (JPL)** is responsible for the design and development of robotic space missions, including the Mars rovers.

Governance extends **beyond the cloud environment** to include other technological domains. JPL's governance of robotic space missions provides an example of how effective governance can extend to multiple technological domains (like on-premises systems).



DID YOU KNOW?

In 2019, **NASA** announced that it would be returning to the Moon by 2024 as part of its **Artemis program**, which aims to establish a sustainable human presence on the Moon by 2028.

Governance requires **forward-thinking** and **planning**. NASA's commitment to returning to the Moon demonstrates a long-term vision for space exploration and governance.

Agenda



Cloud governance defined



Compliance by design



Continuous compliance



Disciplines of cloud governance



Governance strategy checklist

Cloud governance defined



What is cloud governance?

The set of **policies**, **procedures**, and **practices** that organizations implement to manage their cloud computing environment in a **secure**, **compliant**, and **efficient** manner

Established guidelines ...

- Resource Allocation
- Monitoring
- Management
- Mitigate Risk





Compliance by design

 CoreView



The #1 Microsoft 365 management platform

Compliance by design defined

Compliance by design is the practice of **integrating** compliance requirements into the **design** and **implementation** of a system or solution.

Benefits

- Integrated into the implementation
- Ensures compliance from the start
- Minimizes risk
- Proactive approach



Achieving compliance by design

The **cornerstones** of achieving “compliance by design” in your governance strategy

- Automate IT!: Take advantage of **automation** capabilities
- Data Protection: **Control** your content
- Tools & Services: Use the **tools** available when they're available



Automate IT!

- Testing
 - ensure that applications are functioning correctly
- Monitoring
 - detect potential security breaches or compliance violations
- Reporting
 - provide regular, timely reports on key metrics
- Processes
 - reduce human error and increase efficiency



Data protection

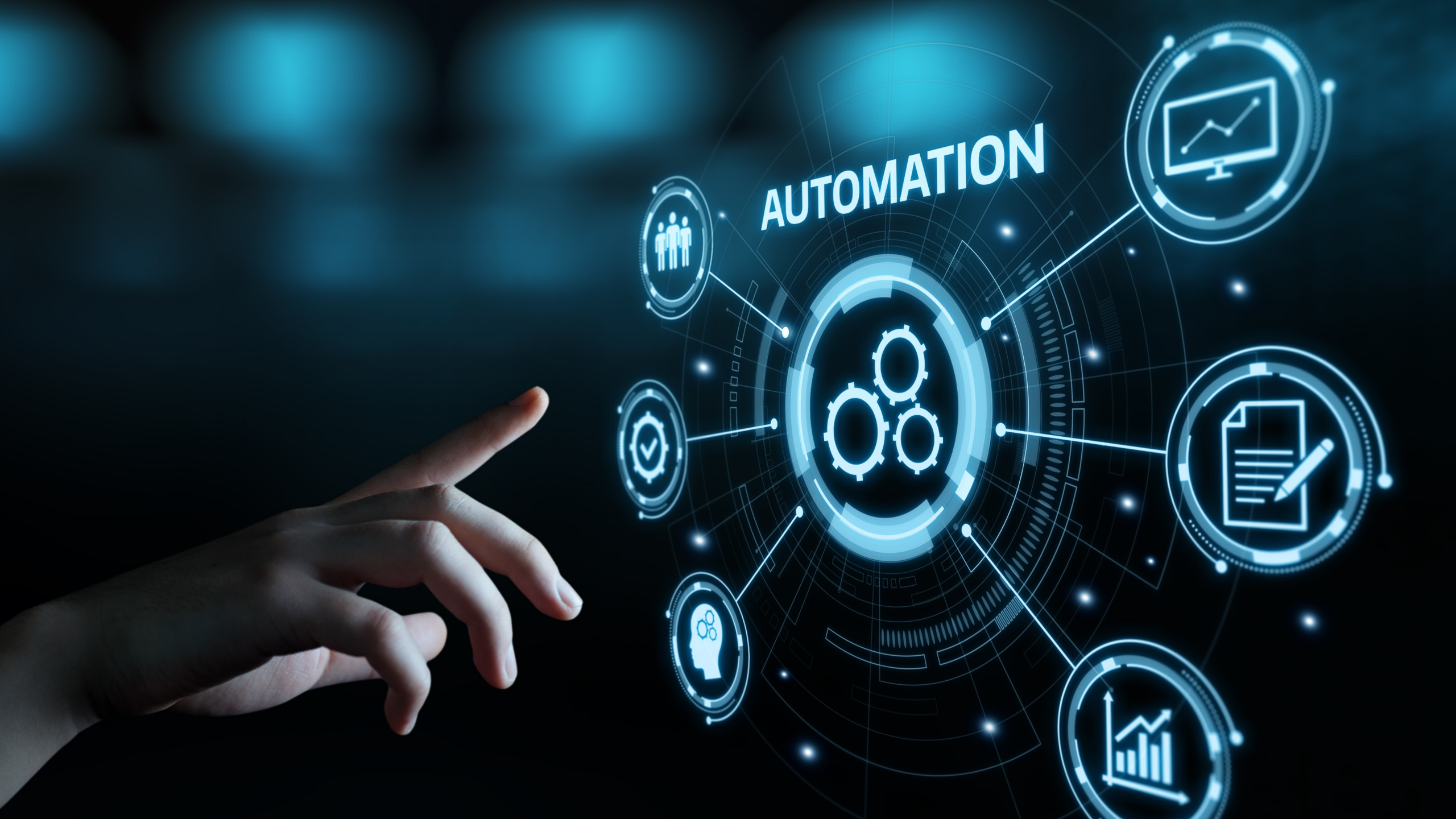
- Encryption
 - Encrypt data at rest and in transit
- Access Controls
 - Ensure that only authorized users have access to data
- Disaster Recovery
 - Protect data in the event of unexpected outage



Tools and services

- Automate IT
 - Microsoft 365 App Compliance framework
 - Azure Sentinel
 - Power Automate
- Data Protection
 - BitLocker for devices
 - RBAC
 - Azure Site Recovery
- Third-Party Tools
 - ???





AUTOMATION

Continuous compliance



Continuous compliance defined

Continuous Compliance is the practice of **achieving** and **maintaining** compliance with regulatory **requirements**, industry **standards**, and **best practices** in IT and business environment

Benefits

- **Policies** and **regulations** maintained over time
- Potential issues **identified** quickly
- Near real-time **remediation** of issues
- Encourages **communication** among teams



Achieving continuous compliance

The **cornerstones** of achieving “continuous compliance” in your governance strategy

- Regular Review: **Update** policies and procedures **as needed**
- Compliance Monitoring: **See** compliance **across** systems and services
- Rapid Response: **Respond** to incidents and non-compliance **promptly**
- Culture of Compliance: **Encourage collaboration** and **communication** among teams



Regular review

- Periodic Audits
- Vulnerability Assessments
- Penetration Testing



Compliance monitoring

- Monitor effectiveness of controls
- Track incidents and violations
- Meet regulatory standards



Rapid response

- Identifying root cause
- Containing the impact
- Implement corrective actions



Culture of compliance

- Compliance as a priority
- Training on policies
- Awareness of risks
- Promote accountability





Cloud governance disciplines

Disciplines of cloud governance

The key **principles** of achieving **governance** in your Microsoft 365 implementation

- Cost Management
- Security Baseline
- Identity Baseline
- Resource Consistency
- Deployment Acceleration



Cost management

The benefit of the cloud is that we pay only for what we use ... in theory.

- Compliance by design
 - Build cost management and avoidance into design via automation
- Continuous Compliance
 - Alerts and Notifications



Security baseline

Maintaining security in the cloud is essential to protecting sensitive data and preventing security breaches

- Compliance by design
 - Define policies and standards across all cloud resources
- Continuous Compliance
 - Regularly conduct audits to identify and address potential security risks



Identity baseline

Managing user identities and access to resources becomes increasingly complex

- Compliance by design
 - Automate processes for onboarding/offboarding
- Continuous Compliance
 - Regularly review access rights



Resource consistency

Ensuring that cloud resources are consistent across environments is essential to avoiding configuration drift and maintaining reliability

- Compliance by design
 - Automate deployment and configuration of cloud resources
- Continuous Compliance
 - Regularly review and update configurations



Deployment acceleration

One of the main benefits of the cloud is the ability to quickly and easily deploy new applications and services.

- Compliance by design
 - Automate deployment and configuration of resources
- Continuous Compliance
 - Regularly review and optimize deployment processes





Governance strategy checklist



Governance checklist

A list of tasks and objectives for designing and devising a good governance strategy.

- ☐ Cost Management
- ☐ Security Baseline
- ☐ Identity Baseline
- ☐ Resource Consistency
- ☐ Deployment Acceleration



Cost Management

- ☐ Set up cost alerts and notifications
- ☐ Implement automated cost optimization
- ☐ Assign ownership and accountability



Security Baseline

- ☐ Classify Assets
- ☐ Encrypt Data
- ☐ Isolate Network
- ☐ Secure External Access



Identity Baseline

- ☐ Automate everything you can
- ☐ Restrict access to Azure AD administration portal
- ☐ Implement two "break glass" accounts
- ☐ Assign two global administrators
- ☐ Leverage security groups for access
- ☐ Periodically review memberships
- ☐ Don't use mail-enabled security groups
- ☐ Periodically review inactive accounts



Resource Consistency

- ☐ Implement IAC
- ☐ Enforce configuration standards
- ☐ Automate deployment of resources
- ☐ Periodically review configurations



Deployment Acceleration

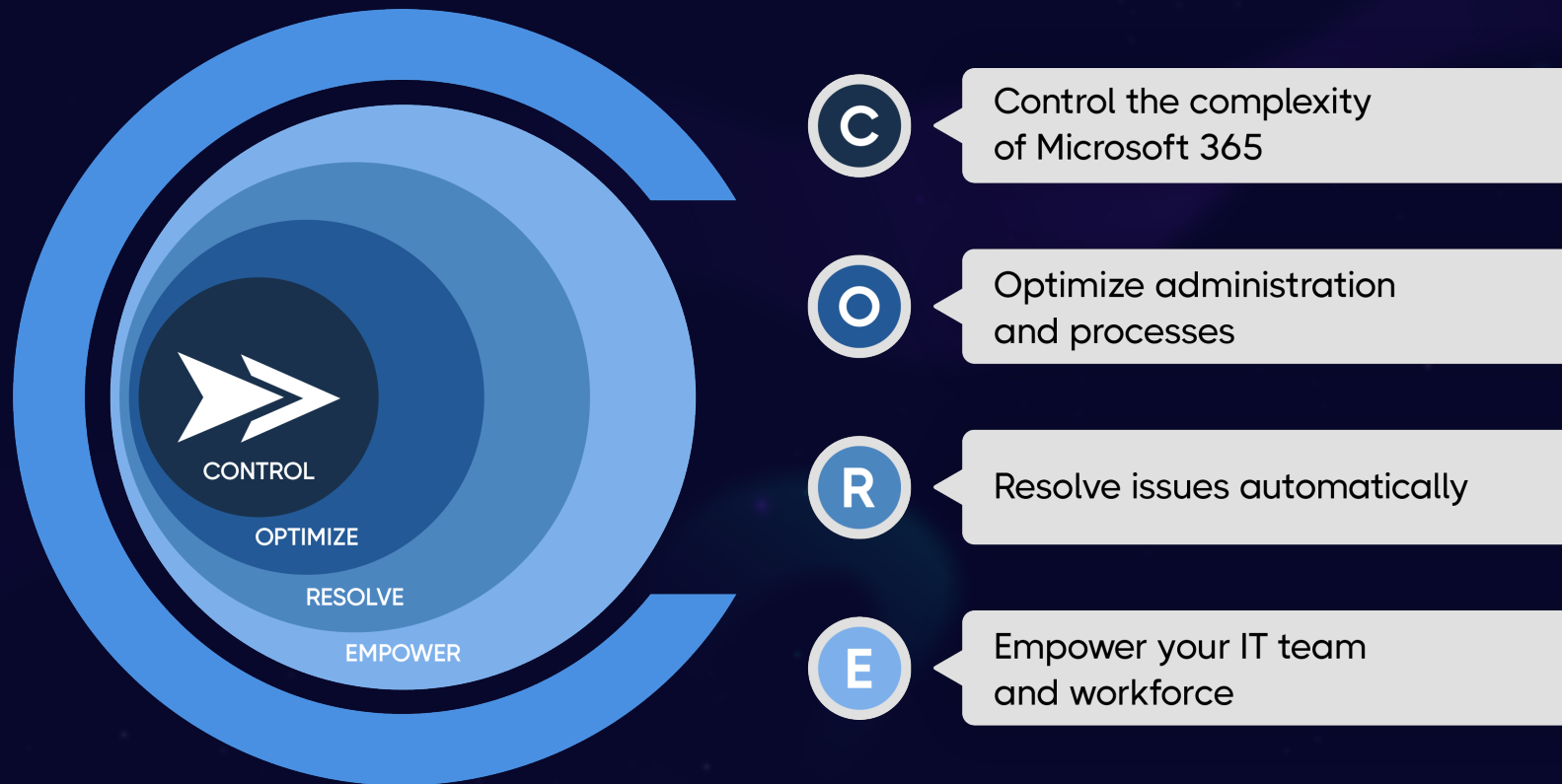
- ☐ Implement continuous integration and delivery (CI/CD) pipelines
- ☐ Enable self-service where applicable
- ☐ Implement testing and QA
- ☐ Periodically review and optimize deployment processes





The CORE methodology

A **maturity model** aimed at defining a robust governance strategy.



Attend more sessions in booth #401

WHEN	TITLE	SESSION DETAILS
Tue, May 2 10:00am Wed, May 3 10:30am	Governance best practices for Microsoft 365 license management	Let's talk about the five hottest license issues and how good governance processes can help reduce waste and improve ROI.
Tue, May 2 1:00pm Wed, May 3 11:15am	Best practices for Microsoft 365 workflow automation	Let's review the five most critical tasks that can easily be automated and what you gain from those efficiencies.
Tue, May 2 1:45pm Wed, May 3 1:00pm	Best practices for Microsoft 365 tenant segmentation	Let's dig into the top five reasons why you should create virtual tenants that provide Microsoft 365 admins the right level of access and self-serve capabilities.
Tue, May 2 4:45pm Wed, May 3 4:00pm	Best practices for Microsoft 365 governance	Let's review five most critical governance challenges, from regular lifecycle management for assets to ongoing checks for policy compliance and more.

Thank you!

