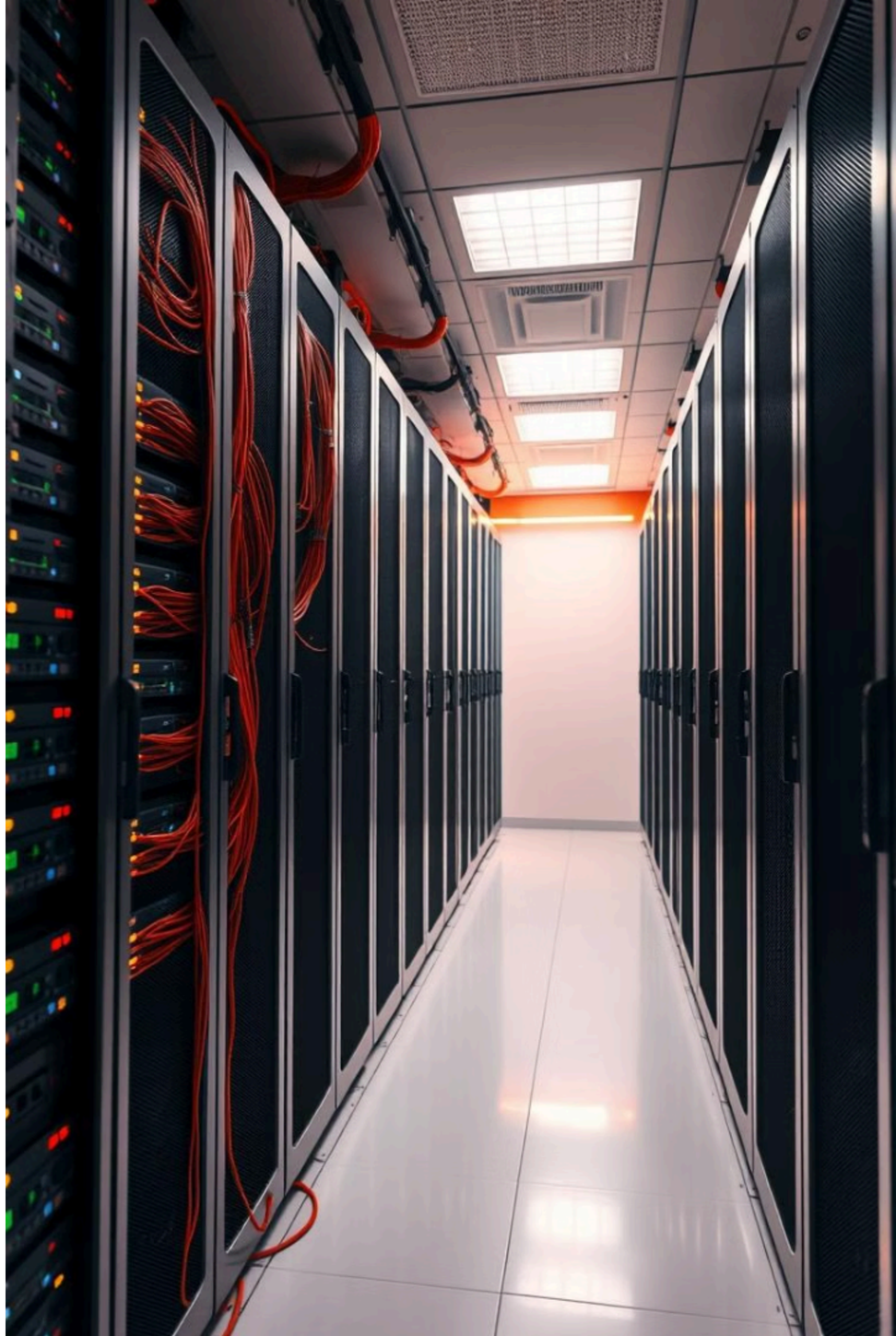
Server Administration: An IT Developer's Perspective

Welcome! This presentation introduces server administration from an IT developer's point of view. We'll cover the essentials, benefits, and our unique, collaborative approach. Expect clear explanations and actionable insights.



Defining Server Administration

Hardware vs. Software

Servers can be physical machines on-premise. They can also be virtual, cloud-based solutions. Examples include AWS, Azure, and GCP.

Key Tasks

Configuration, maintenance, security, and optimization are key. We use tools like Ansible and Grafana. These tools ensure reliability and performance.

Why It Matters

Server admin ensures reliability. It improves performance and security of applications. It's a foundation of your business.

The Role of the Server Admin: Our Perspective

1

DevOps Bridge

We collaborate with developers. This collaboration optimizes application deployment and scaling. It creates seamless operations.

2

Proactive Monitoring

We identify and resolve issues early. Performance tuning includes CPU, Memory, and Disk I/O. This avoids user impact.

3

Security Focus

We protect data and apps. Best practices include firewalls and intrusion detection. Patch management keeps servers secure.

Benefits of Effective Server Administration

1 Enhanced Performance

Minimize downtime. Load balancing distributes traffic. This ensures a smooth experience.

2 Reduced Risk

Robust security protects against threats. Backups ensure business continuity. Data loss is greatly reduced.

3 Cost Optimization

Efficient resource use is key. Right-sizing and automation reduce manual work. It significantly improves efficiency.

4 Scalability

Cloud solutions offer elasticity and pay-as-you-go pricing. Scaling adapts to changing demands. Growth is easily accommodated.

Our Working Model: A Developer-Centric

1

Collaboration

We work closely with your team. Regular meetings and updates keep you informed.

2

Proactive Care

Monitoring prevents problems. Automated tools detect potential issues. Scheduled maintenance applies needed updates.

3

Agile Approach

We adapt to your needs. Flexible and responsive to new requirements. Continuous improvement optimizes performance.

Tools and Technologies We

Operating Systems

Linux and Windows Server. Linux dominates with 70%+ market share.

Cloud Platforms

AWS, Azure, GCP. AWS is the leader with ~33% share.

Automation Tools

Ansible, Chef, Puppet. These reduce manual config up to 90%.

Monitoring Tools

Prometheus, Grafana, Nagios. Enables proactive issue detection.