MIGRATION TO AZURE VIRTUAL DESKTOP 8-WEEK IMPLEMENTATION

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ABOUT SOFTSERVE

12,000+
ASSOCIATES
worldwide

30+
YEARS
across multiple industries

20,000+
PROJECTS
for customers

CTO CENTERS OF EXCELLENCE

CRITICAL SERVICES

Cloud, Application Migrations and Modernizations, DevOps, Governance, Security, Operations & Applications Support

INTELLIGENT ENTERPRISE

Big data, Data Science/AI/ML, IoT, Blockchain, Robotics, Extended Reality AR/VR/MR GDPR consulting, Technical Due Diligence

PRODUCT MANAGEMENT & BUSINESS ANALYSIS

Product Strategy & Design, Lean Product Management, Business Analysis & Process Design, Operational Efficiency

DIGITAL PLATFORMS

Marketing platform implementation & Optimization such as e.g., Sitecore, Magento, Salesforce, MuleSoft

EXPERIENCE DESIGN

Design thinking, Strategy, Iteration, Delivery, Service Design, Product Design, DesignOps

SOLUTIONS

IT Advisory, Software Architecture and Development, RPA, Performance Testing

INNOVATION

Innovation Strategy with our proprietary platform and our innovation team

RESEARCH & DEVELOPMENT EXPERIENCE DESIGN

Technology incubation, PoC Engineering, Emotional intelligence, R&D Innovation, Feasibility Study, R&D as a Service, Deep Tech Research, Advanced AI, Tech Commercialization

EXTENSIVE DOMAIN EXPERTISE

We are a trusted adviser and provider enabling our clients to build transformative experiences, gain insight from the data, and accelerate business outcomes.

COMPLIANCE STANDARDS

HIPAA · ISO 27001 · ISO 20000 · ISO 13485 · GDPR · PCi DSS Compliant

OUR PARTNERS

Google Cloud Partner · aws partner network · Microsoft Solutions Partner · NVIDIA PARTNER

ORACLE · PEGA · mendix · SITECORE

CONFLUENT · HashiCorp · MuleSoft · CISCO

snowflake · databricks · stripe · servicenow

salesforce PARTNER SINCE 2018 · SAP Silver Partner

WHY DO WE NEED AZURE VIRTUAL DESKTOP?

CHALENGES IN CURRENT REMOTE WORK LANDSCAPE

CRITICAL ISSUES

SECURITY RISKS

Increased exposure to cyber threats with remote access

COST CONCERNS

High expenses associated with maintaining on-premises infrastructure

INCONSISTENT USER EXPERIENCE

Slow applications, VPN limitations, and latency issues affecting productivity
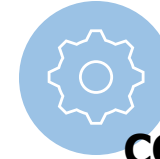
MEDIUM ISSUES

SCALABILITY ISSUES

Difficulty in scaling traditional IT infrastructure to meet fluctuating demands

MANAGEMENT COMPLEXITY

Challenges in managing diverse devices and ensuring compliance

COMPLEX IT SUPPORT & MAINTENANCE

Remote work environments require more resources for endpoint security and IT troubleshooting
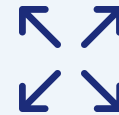
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HOW CAN AZURE VIRTUAL DESKTOP HELP YOU?

IMPROVED
OPERATIONAL
EFFICIENCY

TRANSPARENT
COST MANAGEMENT &
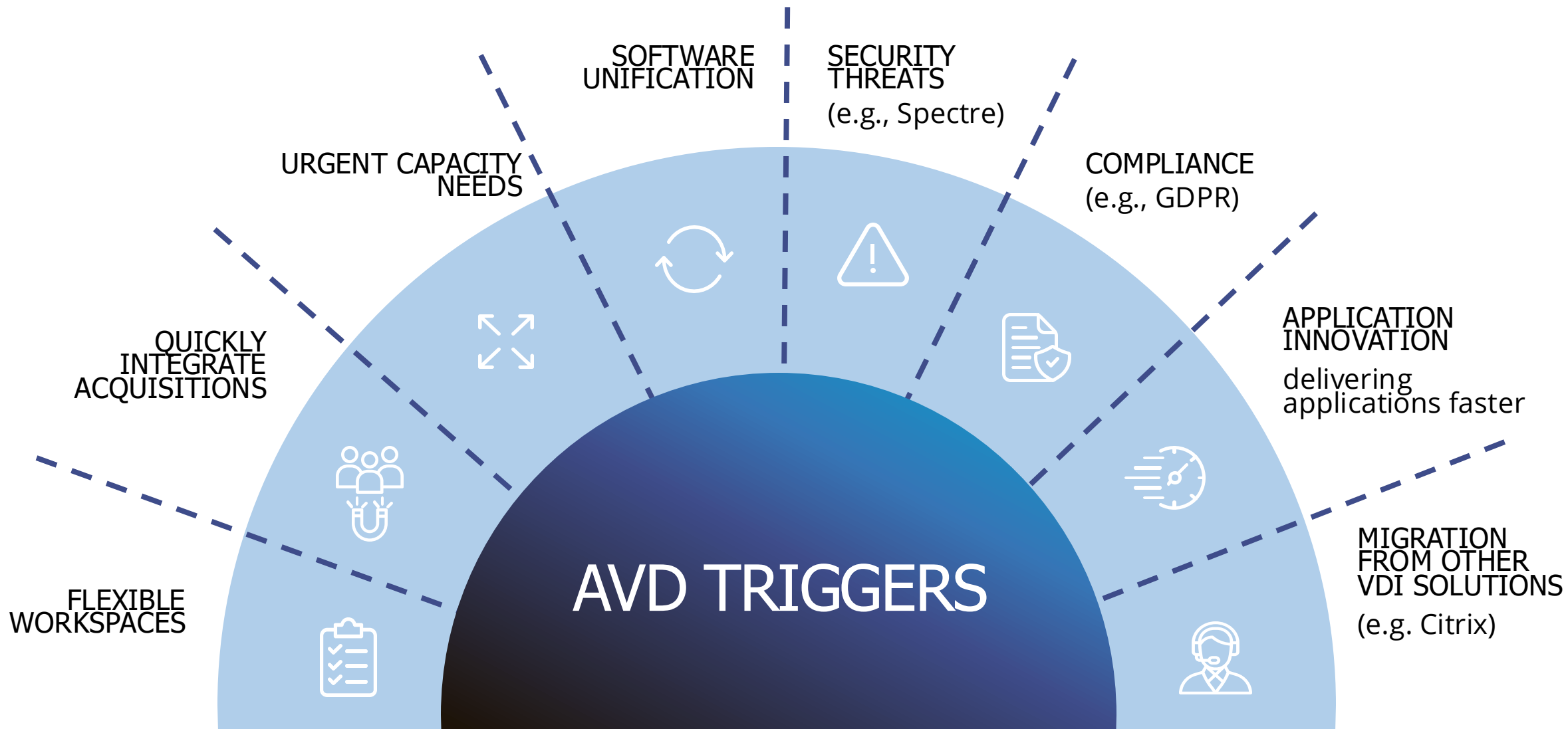OPTIMIZATION

ABILITY TO SCALE
based on business needs

SECURE ACCESS
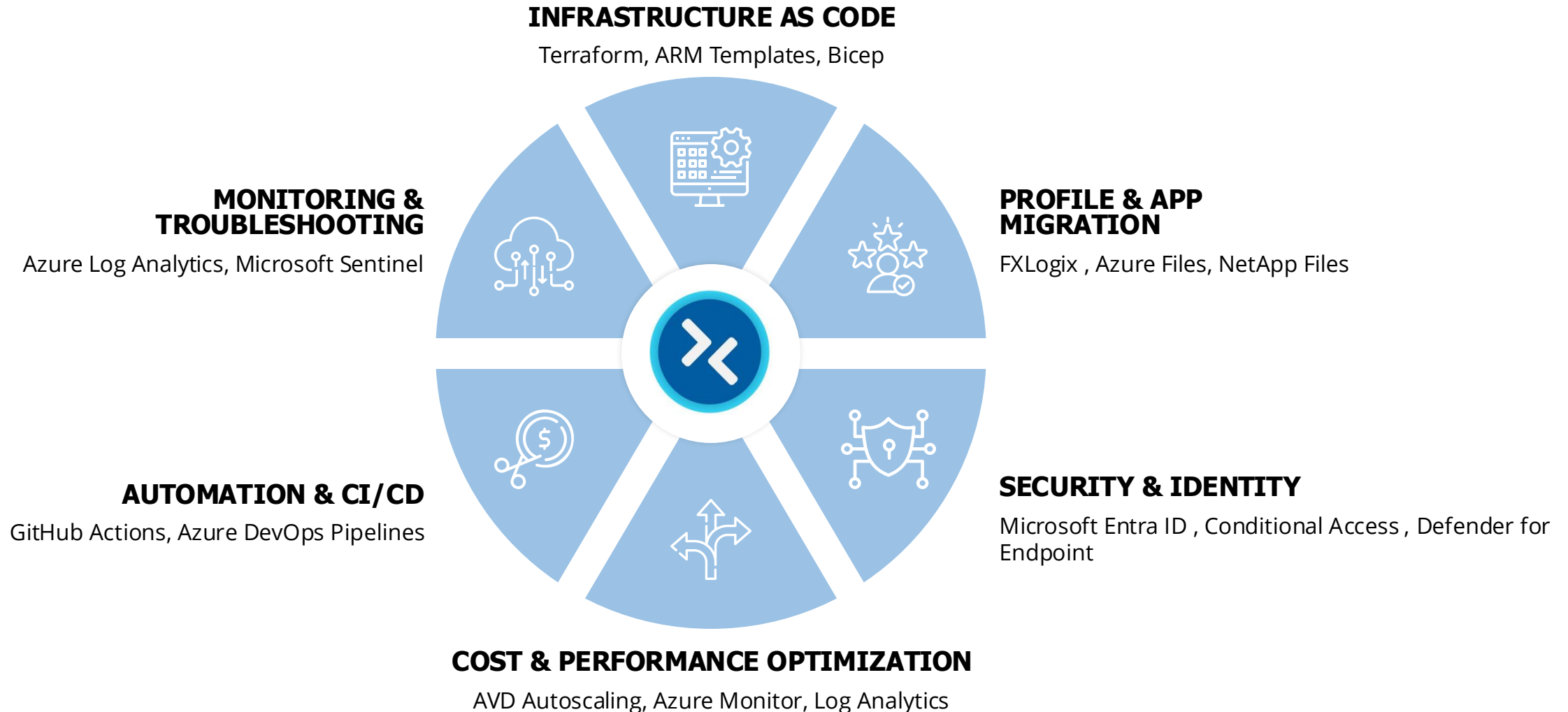TO DESKTOPS & APPS
from anywhere on any device

MICROSOFT-DRIVEN
SECURITY & COMPLIANCE
VALIDATION

DISASTER RECOVERY & FAULT
TOLERANCE
for business continuity

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SOFTWARE UNIFICATION

SECURITY THREATS
(e.g., Spectre)

URGENT CAPACITY NEEDS

COMPLIANCE
(e.g., GDPR)

QUICKLY INTEGRATE ACQUISITIONS

APPLICATION INNOVATION
delivering applications faster

FLEXIBLE WORKSPACES

AVD TRIGGERS

MIGRATION FROM OTHER VDI SOLUTIONS
(e.g. Citrix)

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MIGRATION TO AZURE VIRTUAL DESKTOP IN DETAIL

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MIGRATION OVERVIEW

PROJECT SPECIFICATIONS

- Remote execution
- Project timeline: 8 weeks
- Budget: 103K USD

TEAM COMPOSITION

- Certified Azure Solutions Architect from SoftServe
- DevOps Engineer from SoftServe
- Business and Technical stakeholders from the Client

DESCRIPTION

Migration to AVD: SoftServe's 8-week implementation is designed to seamlessly transition your on-prem Remote Desktop Services to a fully optimized Azure Virtual Desktop environment, ensuring operational continuity, cost efficiency, and enhanced security with ongoing support and training of the IT operations team.

At the end of the migration, you will have:

- The workload is successfully shifted from on-premises Remote Desktop Services to the Azure Cloud Virtual Desktop environment.
- Applications and data are fully operational in Azure with performance and security measures in place.
- An optimized Azure setup to maintain cost-effectiveness and high performance.
- A robust security posture within Azure aligned with best practices and compliance requirements.
- Comprehensive documentation detailing the new cloud architecture.
- IT team capable of managing and operating within the Azure environment.
- Post-migration support to ensure a smooth transition and to address any immediate operational issues.

EXECUTION APPROACH

DISCOVERY

WEEK 1-2

- Conduct AVD Readiness Review to assess current VDI, RDS, or Citrix environment.
- Define migration scope and tool selection.
- Develop migration plan, including timelines, resource allocation.
- Analyze existing architecture and dependencies.
- Design initial AVD solution architecture and automation strategy.

PREPARATION

WEEK 3-4

- Design CI/CD pipeline implementation for AVD deployment.
- Design network and security settings (NSGs, Private Endpoints, Firewall).
- Deploy AVD Infrastructure via CI/CD
- Setup FSLogix for profile management
- Establish pilot AVD environment for configuration validation.
- Integrate authentication and access control policies (Entra ID, Conditional Access).

MIGRATION

WEEK 5-6

- Migrate user profiles via FSLogix
- Deploy core applications and validate AVD compatibility.
- Optimize multi-session performance for efficient resource allocation.
- Migrate lower environments to Azure Virtual Desktop
- Migrate upper environments to Azure Virtual Desktop
- Validate workload performance and user experience during migration.
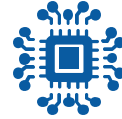
FINALIZATION

WEEK 7-8

- Perform post-migration validation of AVD performance, session reliability, and scaling policies.
- Conduct security and compliance validation.
- Document migration process, configuration details, and operational guidelines.
- Deliver knowledge-sharing sessions for ongoing AVD management.

MIGRATION TO AVD DELIVERABLES

AVD Environment in Azure

Successfully deployed and configured

Architecture Discovery Report

Analysis of the current desktop environment and its mapping to AVD.

Operational Documentation

Guides for IT administrators on managing and optimizing AVD
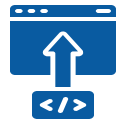
Solution Design Document

A finalized Architectural blueprint detailing the AVD implementation.

Migration Plan

A step-by-step document outlining the migration process and deployment methodologies.

Post-migration support

To address any immediate operational issues.

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NEXT STEPS

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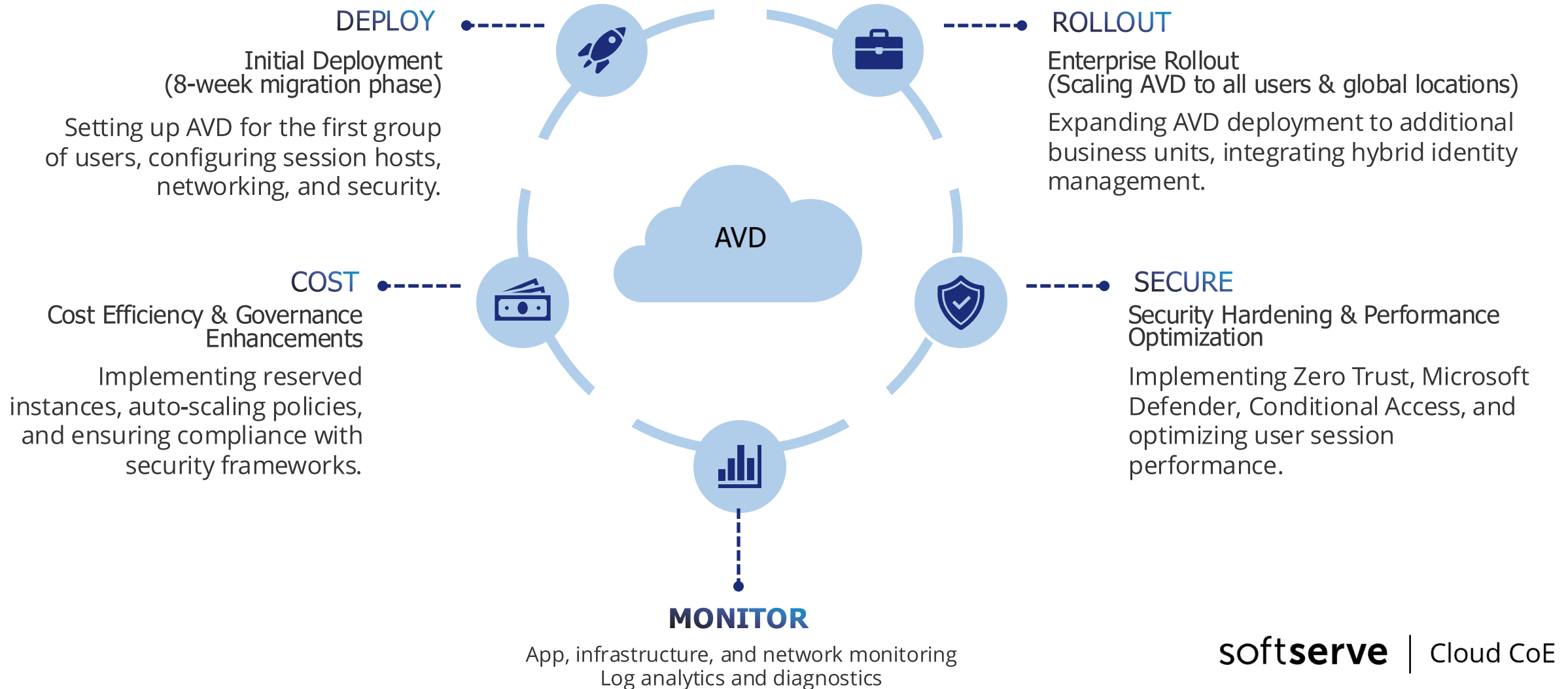
FULL-SCALE AVD IMPLEMENTATION EXPANSION ROADMAP

DEPLOY

Initial Deployment
(8-week migration phase)

Setting up AVD for the first group of users, configuring session hosts, networking, and security.

ROLLOUT

Enterprise Rollout
(Scaling AVD to all users & global locations)

Expanding AVD deployment to additional business units, integrating hybrid identity management.

COST

Cost Efficiency & Governance Enhancements

Implementing reserved instances, auto-scaling policies, and ensuring compliance with security frameworks.

AVD

SECURE

Security Hardening & Performance Optimization

Implementing Zero Trust, Microsoft Defender, Conditional Access, and optimizing user session performance.

MONITOR

App, infrastructure, and network monitoring
Log analytics and diagnostics

FUTURE GROWTH
AVD MATURITY MODEL

COST GOVERNANCE & AI-DRIVEN AUTOMATION

Implementing cost controls, AI-powered auto-scaling, and governance enhancements.

SCALING AVD, MULTI-SESSION OPTIMIZATION

Expanding workloads, optimizing session host utilization, and improving app performance.

AVD INFRASTRUCTURE & SECURITY FOUNDATION

Core AVD setup, network security, access management, and compliance.
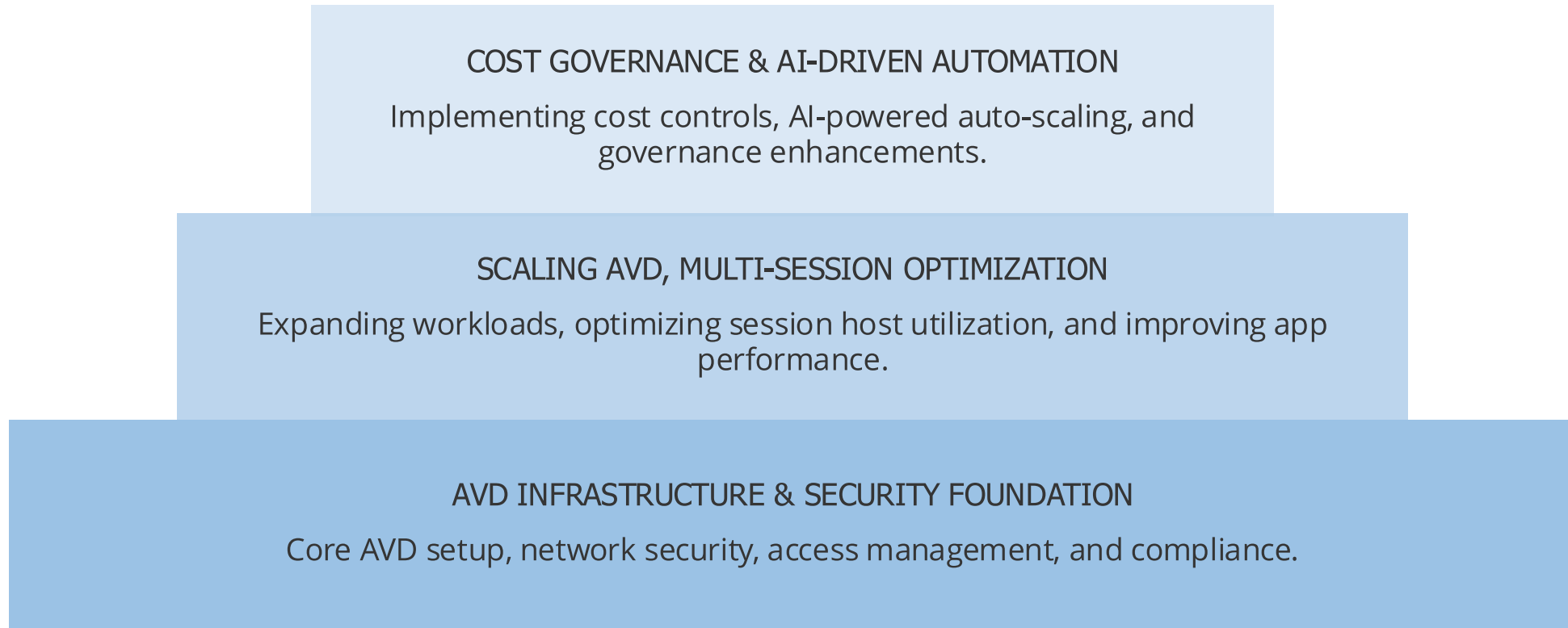
POST MIGRATION SUPPORT

WHAT IS IT?

Ensuring a seamless transition to Azure Virtual Desktop with dedicated support for critical issues

KEY ELEMENTS

Critical Issue Resolution
Dedicated support to resolve major disruptions, login issues, and application failures.

User Assistance & Adoption Support
Helping end-users navigate the new AVD environment, troubleshoot access issues, and optimize workflows.

Performance Monitoring & Optimization
Tracking session performance, resource usage, and application response times to fine-tune the environment.

Scaling & Auto-Optimization
Adjusting auto-scaling policies based on real-world usage to optimize costs and performance.

Knowledge Transfer & IT Hand-Off
Educating the customer's IT team on AVD management best practices for long-term stability.

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FOR THE FUTURE

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