

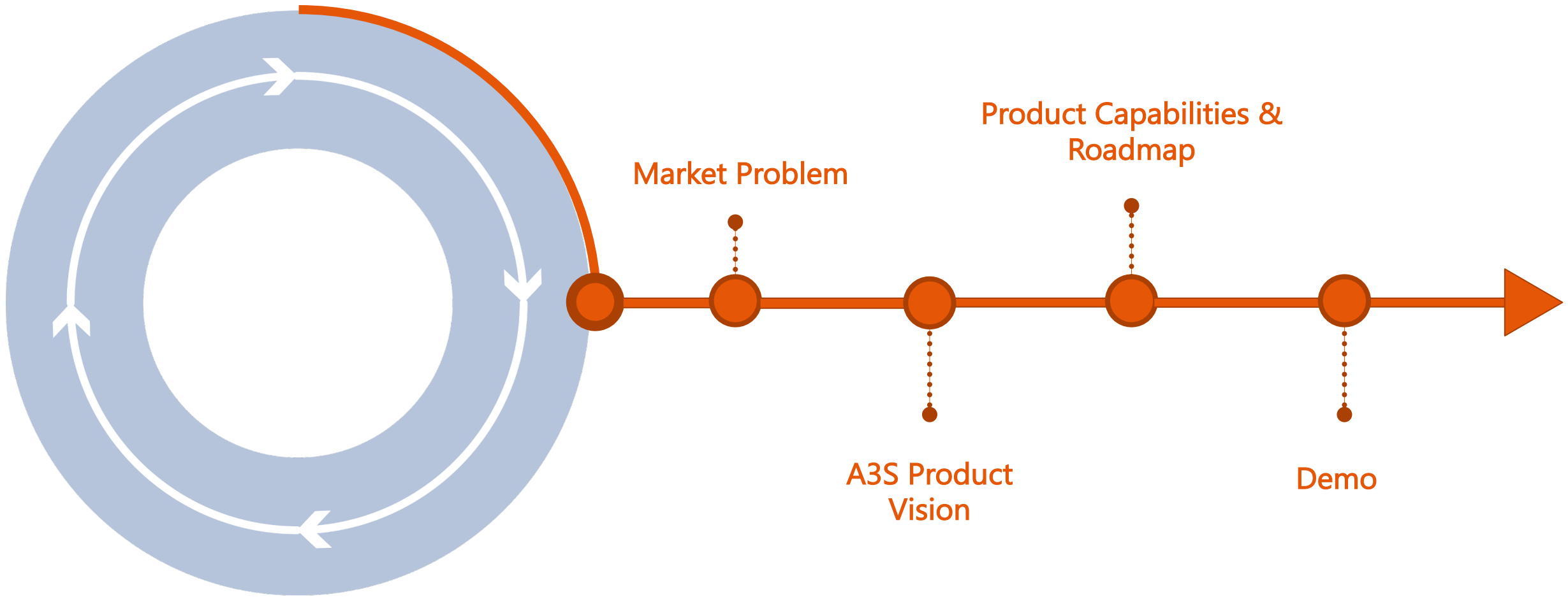
AI-powered Azure Automation as-a-Service

Product Capabilities & Roadmap

January 2021



AI-POWERED AZURE AUTOMATION
AS A SERVICE



Market Problem

- 250+ products or services across 20+ functional buckets
- No-commitment subscription model delivers tremendous value to customers
- But lot of complexity & challenges as customers onboard the platform & start using ever more services



Deployment:
manual, error
prone



Data Migration:
multiple sources,
manual
transformations, effort
intensive



Management:
exponential increase in
complexity with time



**Infrastructure
Monitoring:**
manual or custom
solution



**Cost Monitoring &
Optimization:**
limited capability



**Network & Data
Security:**
high risk, multiple
points of exposure



**Network & Data
Security:** high risk,
multiple points of
exposure



Discoverability:
no easy way to auto
discover & visualize
deployments



**Application Health
Monitoring:**
no out of the box
solutions



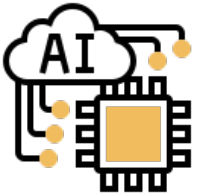
Business Continuity:
manual and tough to
build



A3S: Product Vision

Comprehensive Azure cloud management platform focused on taking the grunt work out of customers' Azure usage, thus enabling them to be more productive with Azure to build their business.

4 key pillars:



Automate

reduce manual effort to the minimum, keep automating all that is possible across all aspects of Azure.



Learn

leverage AI to learn from customers' Azure usage, identify patterns and insights to make the platform smarter, ever evolving & learning.



Simplify

demystify Azure with simple and easy monitoring, management, optimization & reporting.



Support

24x7 availability of highly trained engineers to support customers using A3S to provide a truly delightful Managed Service experience.



AI-POWERED AZURE AUTOMATION
AS A SERVICE

Infrastructure Deployment & Management

Enables automated deployment of Azure resources from standalone services to complex architecture blueprints with backup & disaster recovery. Also provides a simple interface to discover, visualize and manage all your deployments.



Current Capabilities

- Automated deployment of standalone services.
- Support team assisted deployment of architecture blueprints.
- Support team assisted assessment for datacenter migration to Azure.
- Backup configuration for VMs.
- DR configuration for SQL.



Roadmap

- Fully automate deployment of architecture blueprints.
- Real-time auto-discovery of deployments with schematic & architecture diagrams.
- Edit, add, delete resources from the existing deployments.



Network Connectivity & Security

Enables automated hybrid connectivity between Azure and your datacenter, provides ability to secure in/out bound traffic with native Azure Firewall or 3rd Party Virtual Appliances.



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Data Migration, Security & Governance

Enables automated data migration & continual ingestion thereon from various source systems to Azure destinations, along with in-transit & at-rest encryption for security. Also provides a simple interface for Data Governance.



Current Capabilities

- Automated data migration from SQL, Oracle & Dynamics 365 to Azure Data Lake Storage, Azure Storage and Azure Synapse.
- Automated encryption for in-transit and at-rest data.



Roadmap

- Expand source system coverage to include systems such as Teradata, Netezza, SAP, Salesforce etc.
- Implement Data Governance capabilities.



Application Health Monitoring

Enables monitoring of application health with real-time dashboards that show details of all functional aspects of the application. Also provides drill down capabilities to review application sub-systems & associated processes.



Current Capabilities

- Dynamic application health dashboard.
- Drill down capability to subsystems and thereon to associated Azure resources.
- Alerts & Notifications: email, Teams, Slack & Skype.
- Integration with Jira for ticket creation, resolution & closure.



Roadmap

- Enable definition of severity levels of alerts & associated actions.
- Expand coverage to other ITMS systems (such as Service Now etc.).

Resource Scheduling & Monitoring

Enables monitoring of Azure resources across all deployments with dashboards showing the key metrics. Also provides a simple interface to start, stop & delete resources along with ability to configure execution schedules.



Current Capabilities

- Monitor all resources with dashboards showing key metrics.
- Start, Stop, Restart & Delete resources.
- Configure schedules at individual resource level.



Roadmap

- TBD.



DevOps Starter

Automates the setup of initial configuration of a DevOps pipeline including everything from setting up the initial Git repository, configuring the CI/CD pipeline, creating a Web App for hosting your code, and providing a single view of the entire solution with the creation of a DevOps Projects dashboard in the A3S portal.



Current Capabilities

- Quickly deploy your Angular application to Azure
- Deploy Azure App Service for hosting
- Automate the setup of a CI/CD pipeline
- View and understand how to properly set up a CI/CD pipeline
- Further customize the release pipelines based on your specific scenarios



Roadmap

- Expand hosting platform to deploy Application on Linux App Service, Azure Kubernetes Service, Containers
- Expand Application deployment to Node Js, Python



Cost Monitoring & Optimization

Enables real-time monitoring of the cost of Azure resources & ability to schedule resources to save cost. Also provides recommendations to reduce cost by analyzing resource utilization and other data.



Current Capabilities

- Cost monitoring dashboard with actual, budget & forecast data.
- Azure Advisor recommendations for cost optimization.
- Scheduler to start, stop Virtual Machines.



Roadmap

- Deeper analysis of cost data across resources to deliver meaningful cost optimization recommendations.
- Incorporate different pricing levels – PAYG, 1 & 3-year RI and Spot into cost optimization analysis.



Governance

Provides a cloud governance framework for enterprises using Microsoft Azure to define and enforce Identity & Access Management, IT policies & regulatory compliances, conducting audits and setting schedules for cost savings.



Current Capabilities

- Identity & Access Management.
- Enterprise Policies.
- Auditing and Logging.
- Gallery.



Roadmap

- Business rules driven framework for policy definition.
- User activity analytics.
- Network logs analytics.
- Data flow logs analytics.
- Enterprise policy logs analytics.
- Resource logs analytics.



Abbot: A3S Bot

Enables an intuitive chatbot interface for A3S users to get ad-hoc & scheduled notifications, get real-time data on Azure cost, monitor all resources with key metrics and execute Governance related tasks easily.



Current Capabilities

- Notifications.
- Cost Monitoring – scheduled & ad-hoc.
- Identity and Access Management.
- Resource Monitoring.



Roadmap

- Application Health Monitoring.
- Smart Scheduler.



Dedicated Support

Enables a seamless Managed Service experience in conjunction with A3S platform by providing 24x7x365 support for architecture blueprint deployments, Azure related consultations and for any issue with A3S.



Current Capabilities

- Architecture blueprint deployment assistance.
- Architecture and design reviews.
- Strategic Planning sessions.



Roadmap

- TBD.





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