



CoPilot for Azure

Client Director
Date



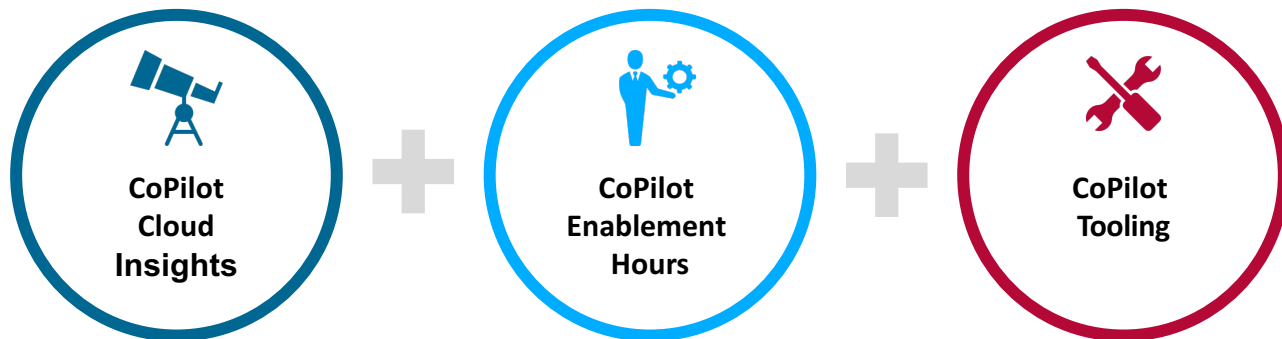
Service Structure

CoPilot for Azure

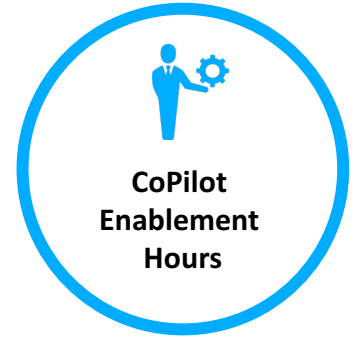
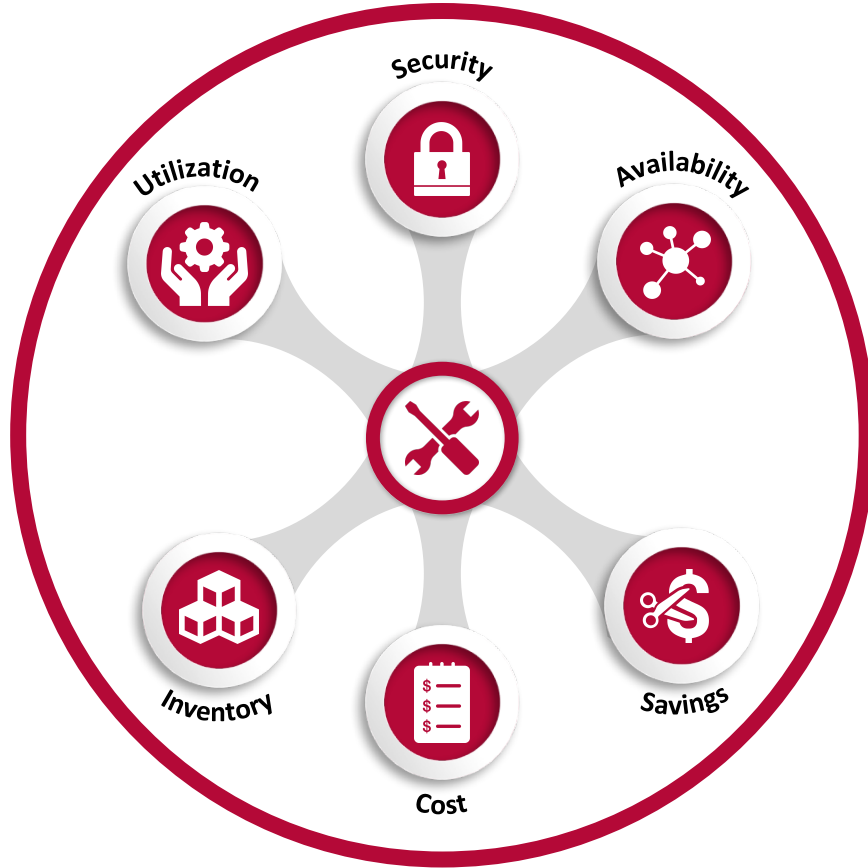
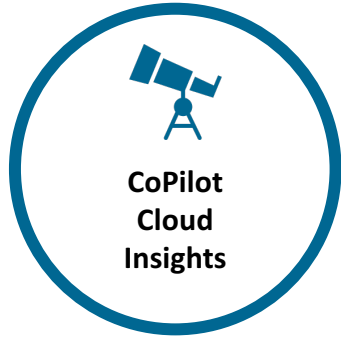
Service Overview

CoPilot for Azure allows Client to continue optimizing their environment with the help of the AHEAD team of certified Azure engineers. Client can subscribe to Cloud Insights for optimization recommendations and Enablement Hours for help with remediation, configuration, and other technical requests. CoPilot provides a **consistent AHEAD point-of-contact, monthly Cloud Insights, Cost Optimization and Best Practice Tooling** and **access to Azure engineers**. Based on CoPilot Cloud Insights recommendations or specific customer initiatives, the CoPilot team will help maintain peak efficiency through Enablement Hours.

AHEAD recommends monthly **Cloud Insights** and **20 Enablement Hours** per month over a service period of one year for Client.



CoPilot Tooling

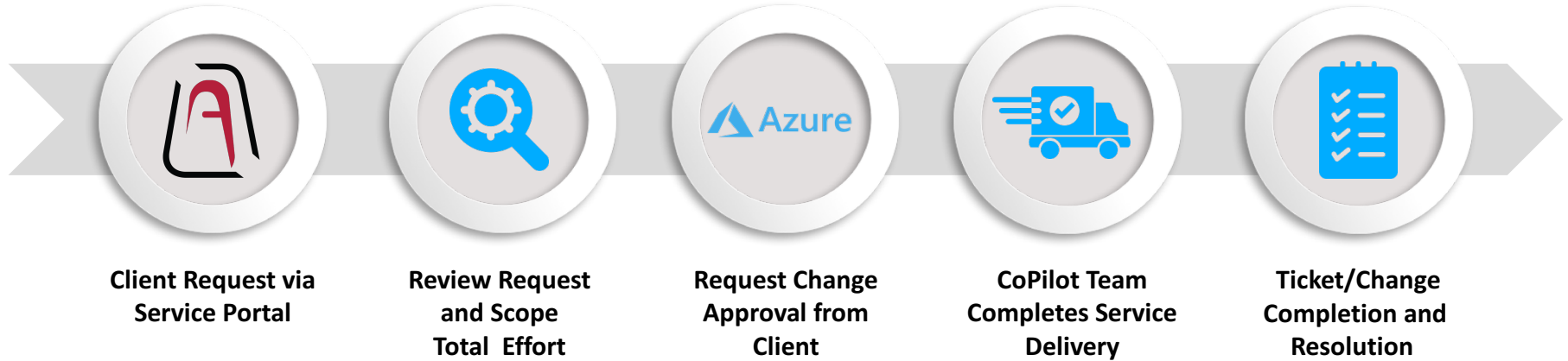


CoPilot Enablement Hours

CoPilot Enablement Hours provides help with remediation, configuration and other technical requests. AHEAD recommends **20 Enablement Hours** per month over the course of one year for this Service. During this time, Client will be able utilize AHEAD subject-matter experts who specialize in various areas of the Azure platform including:

- Cost Optimization
- Accounts and Subscriptions
- Azure Networking
- Azure Virtual Machines
- Monitoring and Operations
- Azure Storage, Backup and Recovery
- Best Practice Review
- Azure Resource Management Tasks
- Automation (ARM/Terraform)
- Policy Templates
- RBAC Controls
- Service Principals
- Azure Key Vault
- Tagging Automation

CoPilot Assists your Team

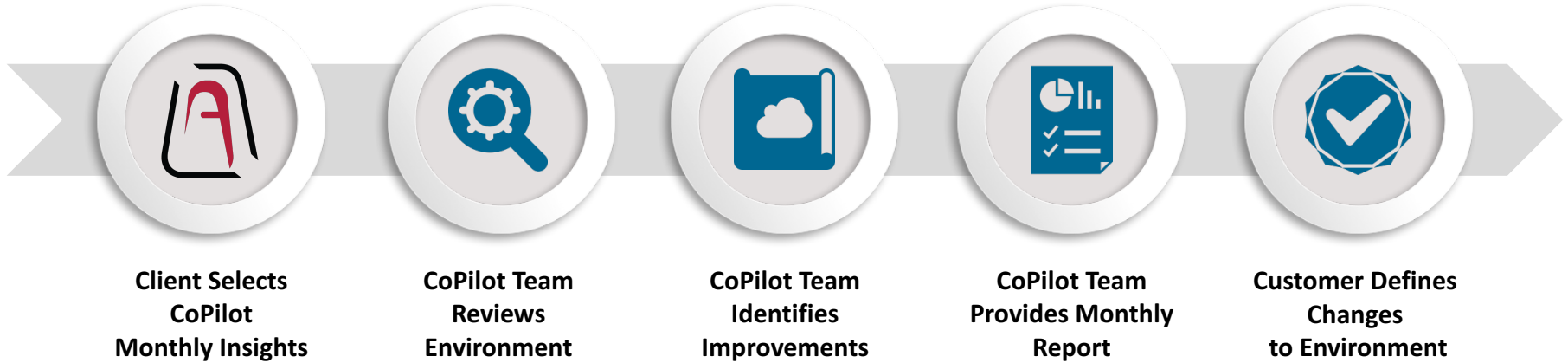


CoPilot Cloud Insights

CoPilot Cloud Insights leverage AHEAD's extensive engineering resources and cloud expertise to perform a deep analysis of the Client cloud environment to optimize usage and configurations based on customer requirements. Cloud Insights are delivered as a monthly report to customers presented by a CoPilot cloud engineer to provide additional details and remediation steps including:

- Usage Analysis
- Cost and Savings Analysis
- Reserved VM Instance Analysis
- Utilization Analysis
- Security Analysis
- Best Practice Analysis
- ChatOps

CoPilot Reports on your Environment



CoPilot Tooling

CoPilot Tooling provides a consolidated view across Azure accounts for visibility into cost, configuration and security. AHEAD will provide Tooling access for up to three (3) Client stakeholders. The CoPilot Tooling will be accessible via the CoPilot SSO portal. Tooling will provide detailed information about the Azure environment including:

- Savings
- Cost
- Inventory
- Utilization
- Availability
- Best Practices
- Security

Platform Overview

CoPilot for Azure

Single sign-on

The screenshot displays the AHEAD application interface. At the top left is the AHEAD logo. The top navigation bar includes a search box labeled "Launch App", a home icon, a notification bell icon, a user profile icon labeled "Bruce", and a blue button labeled "+ Add Apps". Below the navigation bar is a "Work" tab with an edit icon and a plus sign. The main content area features three application tiles: "Service Portal" with an orange document icon, "Cost and Inventory Management" with a green dollar sign icon, and "ChatOps" with a blue speech bubble icon.

Service Portal

The screenshot shows the AHEAD Service Portal interface. At the top left, the logo reads 'AHEAD AHEAD Optimization Services'. The user's name 'Bruce Wayne' is visible in the top right corner. The main header area contains a search bar and navigation icons. A left sidebar menu is titled 'Self-Service' and includes links for 'Homepage', 'Create New Ticket', and 'Bookmarks'. The 'Create New Ticket' page features a red circular icon with a wrench and hammer. Below the icon, a text block explains the ticket submission process and includes a note about SLAs. The form contains several fields: a 'Title' field with the text 'Untagged Resource Update', an 'Environment' dropdown menu set to 'Production', an 'Account #' field with masked characters, a 'Ticket type' dropdown menu set to 'Question', and a 'Description' text area containing a request to regenerate a report. A blue 'Submit' button is located at the bottom right of the form area.

AHEAD Optimization Services

Bruce Wayne

Create New Ticket

Create New Ticket

Please use this form to submit a Managed Services ticket for AHEAD managed services. We will respond to your request within one (1) business day and provide you with an estimated level of effort (in hours) and an estimated completion date.

Note: Requests submitted outside the portal are not subject to any service level agreements (SLAs) and may not be acknowledged or resolved.

* Title

Untagged Resource Update

Environment

Production

Account #

Ticket type

Question

Description

We recently completed the tagging exercise that we discussed for the Gotham workloads. Can you regenerate the Untagged Resource report from the Cloud Insights call to confirm the status of our tagging exercise?

Submit

Best Practices

The screenshot displays the AHEAD CoPilot interface. At the top, there is a search bar with the text "Search reports/settings". To the right of the search bar are icons for a star, a refresh/circular arrow, a user profile, a settings gear, and a notification bell with the number "0".

Below the search bar, there are six tabs: "Security (13 issues)", "Cost (7 issues)", "Availability (3 issues)", "Usage (3 issues)", "Azure Advisor (4 issues)", and "Azure Security Center (8 issues)". The "Security" tab is currently selected.

The main content area shows a list of 13 issues, each with a colored triangle icon (red for high severity, yellow for medium), a description, and three action icons (download, comment, and delete) on the right. The issues are:

- 4 Network Security Groups Inbound Rules with Potentially Dangerous Ports Exposed
- 6 Network Security Groups Outbound Rules Set To All Ports
- 6 Network Security Groups Outbound Rules with Dangerous Ports Exposed
- 6 Network Security Groups Outbound Rules with Potentially Dangerous Ports Exposed
- 2 Publicly Accessible SQL Servers
- 11 Virtual Machines in Subnets Without Forced Tunnelling
- 4 Virtual Machines Not Protected by a Security Group
- 5 Virtual Machines Without Boot Diagnostics Enabled
- 15 Managed Disk Without Delete Lock
- SQL Server Database without a Resource Lock
- SQL Server Without a Failover Group
- 3 SQL Server without a Resource Lock

Cost Savings



Cost Savings

Show Help

History:



Export Summary



Possible Monthly Savings

\$275.86



Idle Resources: **\$149.88**

Unused Resources: **\$125.98**

Idle Resources

		Total Count	Possible Monthly Savings
	Idle Virtual Machines	4	\$135.36
	Idle SQL Databases	1	\$14.52

Unused Resources

		Total Count	Possible Monthly Savings
	Deallocated Virtual Machines	4	\$122.98
	Unattached Managed Disks	1	\$3.01



ChatOps

The screenshot displays a Slack interface. On the left is a dark sidebar with navigation options: 'AHEAD MS' (with a dropdown arrow and a bell icon), 'Bruce Wayne' (with a green dot), 'All Threads' (with a magnifying glass icon), 'Channels' (with a lock icon), 'ms-wayne' (highlighted in green), and 'Direct Messages' (with a plus icon). Under 'Direct Messages', there are entries for 'slackbot', 'Bruce Wayne (you)', and 'Rob Evans'.

The main chat area shows a conversation in the 'ms-wayne' channel. At the top, it says 'ms-wayne' with a lock icon, a star icon, and '2' members. To the right are icons for voice call, info, settings, a search box, and other actions. The messages are:

- Bruce Wayne** 2:56 PM ☆: Hello. I was wondering if you could answer a question for me about my spend.
- Rob Evans** 2:56 PM: Sure Bruce, what's your question?
- Bruce Wayne** 2:58 PM: Well, I was thinking of creating a database to store information about all of the citizens of Gotham City.
- Rob Evans** 2:58 PM: How much data are we talking about?

A red line separates the messages, with 'new messages' written in red to the right. At the bottom, there is a text input field containing 'Message ms-wayne' and icons for attachments and emojis.



Experts in Enterprise Cloud

thinkahead.com