



AWS Well-Architected

AWS Well-Architected Partner Solutions

New tools for automating
Well-Architected Framework Reviews

Lauren Small

Well-Architected ISV Program Manager

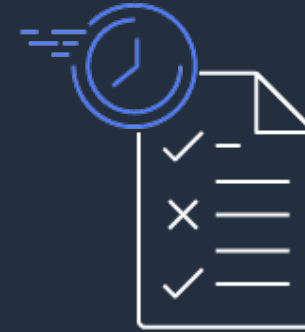
AWS Well-Architected ISVs are:



Integrated with the AWS
Well-Architected Tool



Validated through the
AWS Competency



Designed to reduce time
and resources to
complete reviews and
generate insights

Learn more: <https://aws.amazon.com/well-architected-tool/partners/>

Well-Architected Partner Solutions Webinar Series

Date	Partner
On-demand	nOps
On-demand	CloudCheckr
» Now	Turbot
May 5	Trend Micro Cloud One-Conformity
May 12	Continuity Software



TURBOT

Governance for the Cloud Age. Go faster, safely.

Bob Tordella - bob@turbot.com

Agenda

Topics:

- Turbot Cloud Governance Platform Overview
- How Turbot provides Well -Architected Reviews
- Demo
- Wrap Up – Q&A, Sign up for Free Trial

Key Takeaways

Using Turbot to enhance your AWS Well -Architected Reviews:

- ***Decreases discovery time:***
 - 1000s of controls aligned to various Well-Architected best practices.
- ***Increases productivity:***
 - By automating portions of the Well-Architected Review, AWS Consulting Partners can increase the volume of their reviews and focus on additional client services.
- ***Provides a platform to conduct a more consistent review:***
 - More prescriptive, real-time insights of AWS service configurations in your customers accounts. Review several workloads at once and on a continuous basis to ensure a Well-Architected posture is maintained overtime.

Turbot is a member of your Cloud Team

Cloud teams get **visibility and control**.

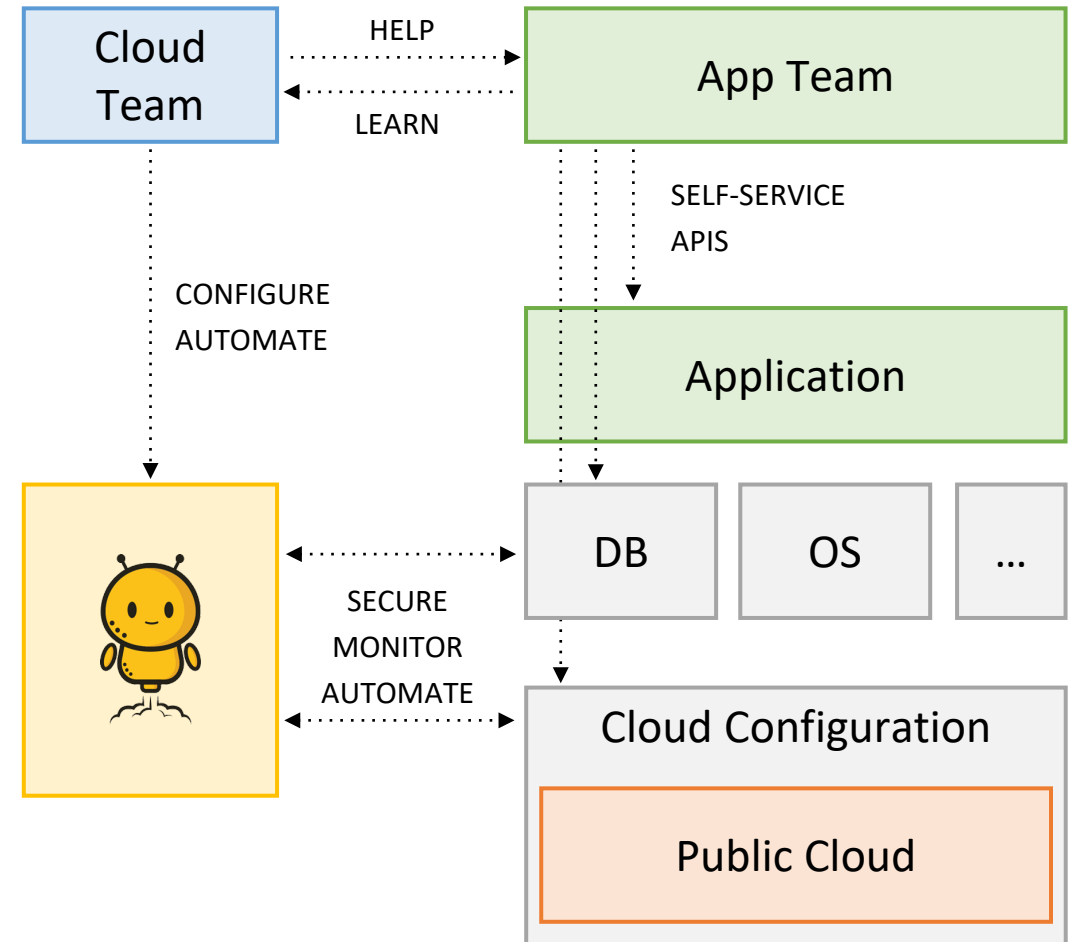
- Multi-cloud CMDB, search and change audit.
- Robust APIs, extensibility and configuration via code.
- Automated preventative, detective and corrective controls.

Application teams get **agility and self-service**.

- No abstraction: direct cloud access via console, tools, api, cli.
- Operational automation of the plumbing they hate.
- Agility to deploy and manage with the tools they love.

Organizations get **scalable best practices**.

- Automated adherence to policies, less operational noise.
- Well-Architected and opinionated framework to start from.
- Cloud-scale governance that is always audit ready.



Turbot is **Governance for the Cloud Age**

	Traditional IT Governance	Governance for the Cloud Age
Rules	Control frameworks & checklists.	Frameworks and policy as code.
Oversight	Architecture review / periodic audit.	Real-time event evaluation.
Management	Central services & operations.	PaaS/IaaS automation.
Protection	Perimeter barrier.	Preventative & corrective controls.
Transparency	Update CMDB on deployment.	Real-time cloud scale CMDB.

Turbot is Trusted by Enterprises

SIEMENS

EASTMAN

Cognizant

DXC.technology

net one

EXTRADE

TOKIO MARINE

Itaú

Mc Graw Hill

BELCORP

WOW!

Bristol-Myers Squibb

Takeda

ClearDATA

Element biosciences

petco
THE HEALTH + WELLNESS CO.

...to accelerate their cloud

Guardrails automate mundane tasks, ensure enterprise control and enable business agility.

...to isolate workloads and automate migration.

Well-architected, multi-account, safe landing zone isolation patterns accelerate migration strategies

...to ensure compliance & security adherence.

Achieve continuous compliance with real-time automated guardrails mapped to NIST, CIS, HIPAA...

...to enable collaboration, joint ventures and M&A.

Hierarchical, multi-directory, multi-tenant IAM across hundreds of accounts with time-based access.

Turbot is the **OODA Loop** for Cloud Governance

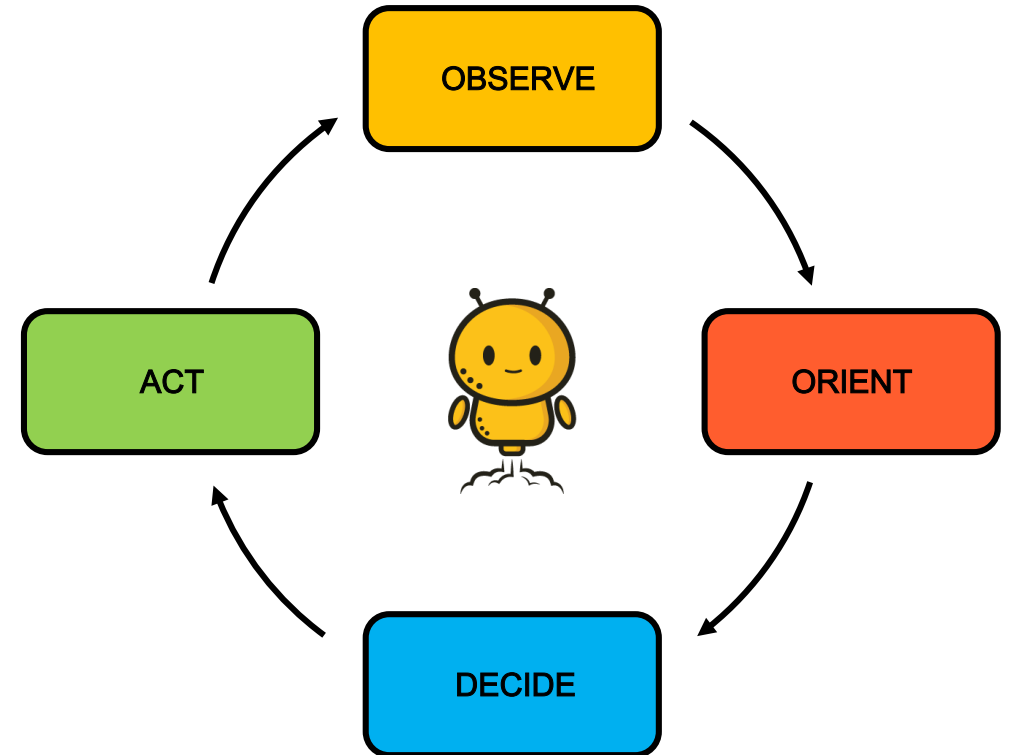
Turbot Cloud Governance Platform:

IT agility is the most important enabler of your business strategy:

- Big Data
- Analytics
- Cloud-Scale Applications

ITIL based command and control governance frameworks degrade IT agility; IaaS and PaaS require a new approach to automate governance.

Turbot's cloud governance platform enforces a model of continuous improvement aligned to a battle-tested decision-making framework: the **OODA Loop**.



Discover Everything

OBSERVE



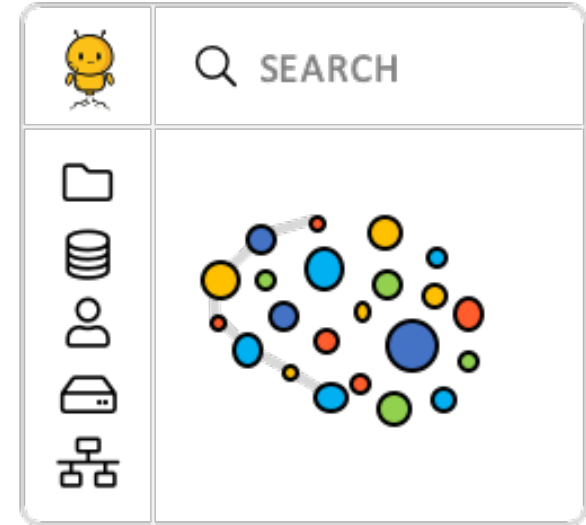
ORGANIZE

TYPE

CATEGORIZE

IDENTIFY

TRACK

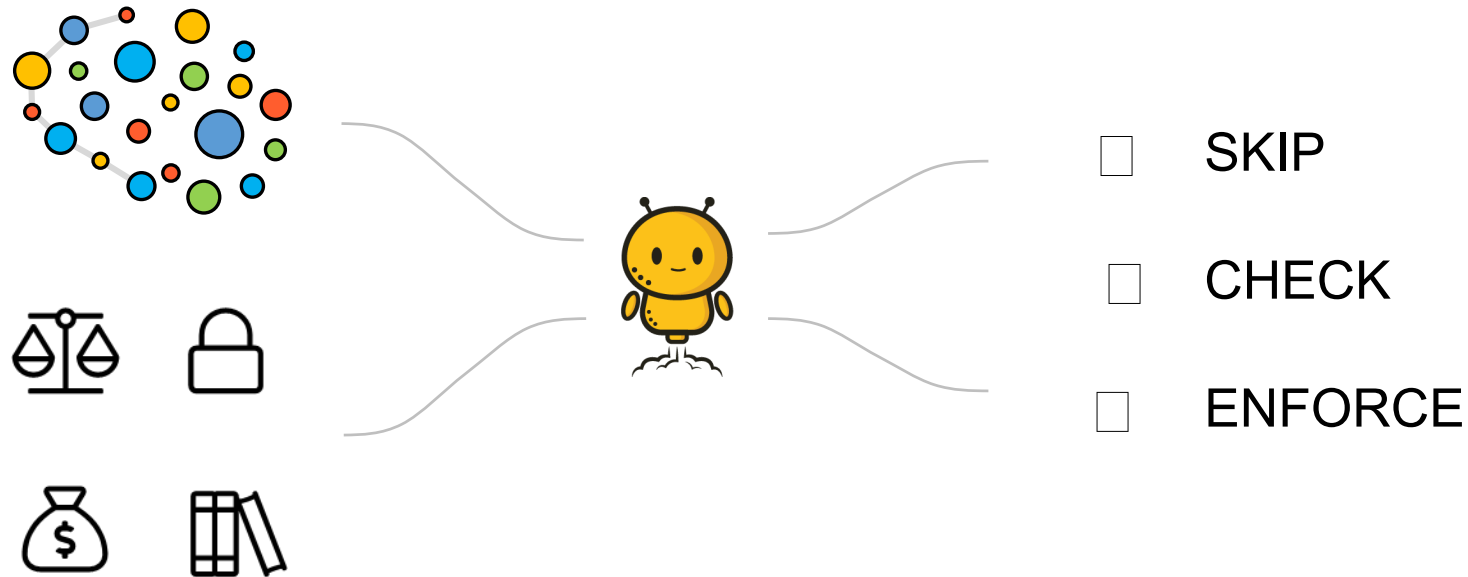


Problem : Your infrastructure, and data are spread across your clouds. New services and technology are being added to your portfolio every week; knowing who did what when is incredibly difficult.

Solution : Turbot discovers all your resources, tracks changes in real time and automatically organizes them into a CMDB with powerful search, visualization and reporting tools.

Posture through policy

ORIENT



Problem : The complexity of a large organization demands that one -size governance does not fit all. Exceptions are expected and policies must dynamically adapt to the specific application contexts.

Solution : Turbot enables you to create rules for security, data protection, operations and cost controls with a single consistent, flexible and context -aware policy engine across all your clouds.

Remediate Anything

DECIDE

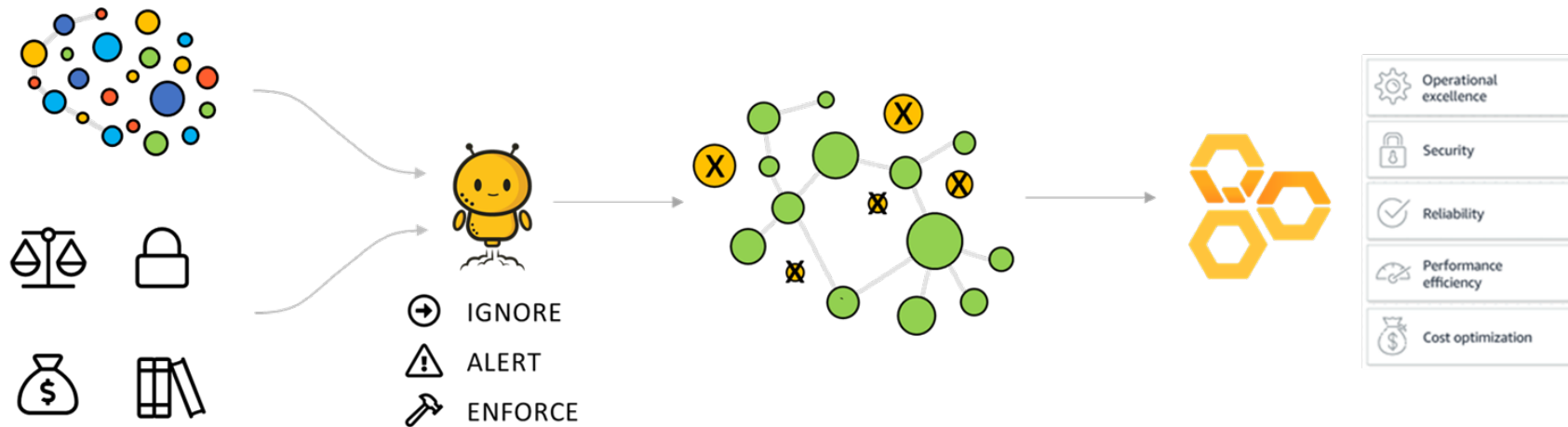
ACT



Problem : The shift from physical infrastructure to IaaS/PaaS/SaaS means that your resource footprint is dynamically growing based on applications needs which in turn scales the number of potential threats. Dealing with these threats though manual intervention is resource intensive and too slow, while command and control governance slows your organization's agility.

Solution : Turbot enables you to automate remediation and best practice setup of your cloud while letting your application teams and data scientists use the tooling that makes them most productive.

Turbot ensures AWS Well-Architected

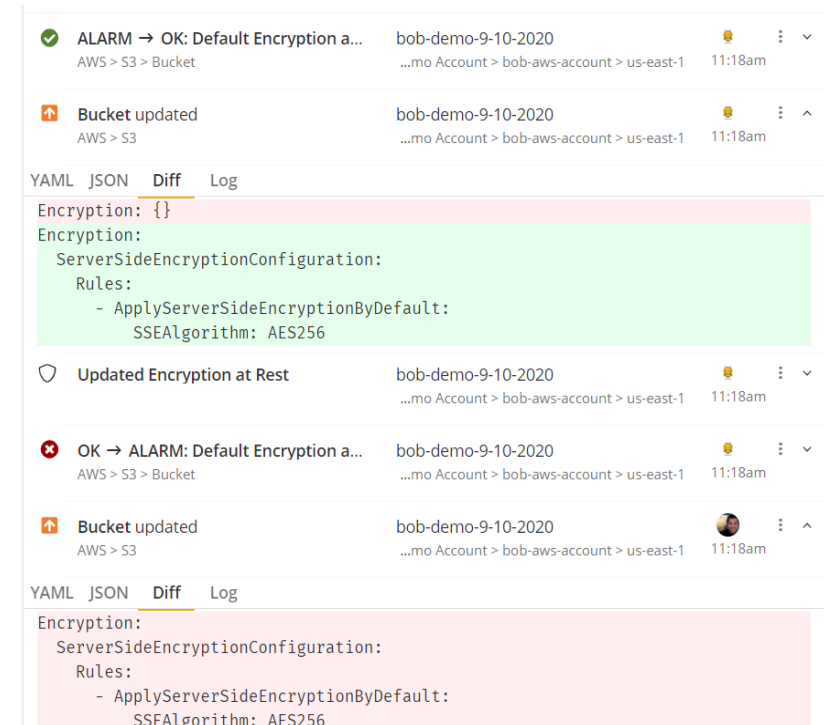


The AWS Well-Architected Framework pillars maps to Turbot's 7000+ governance control policies for operations, cost, security and compliance. Turbot customers take advantage of Turbot's features to satisfy the best practice guidance automatically

Example :

'AWS Well-Architected Framework Sec Q8: How do you protect your data at rest?'

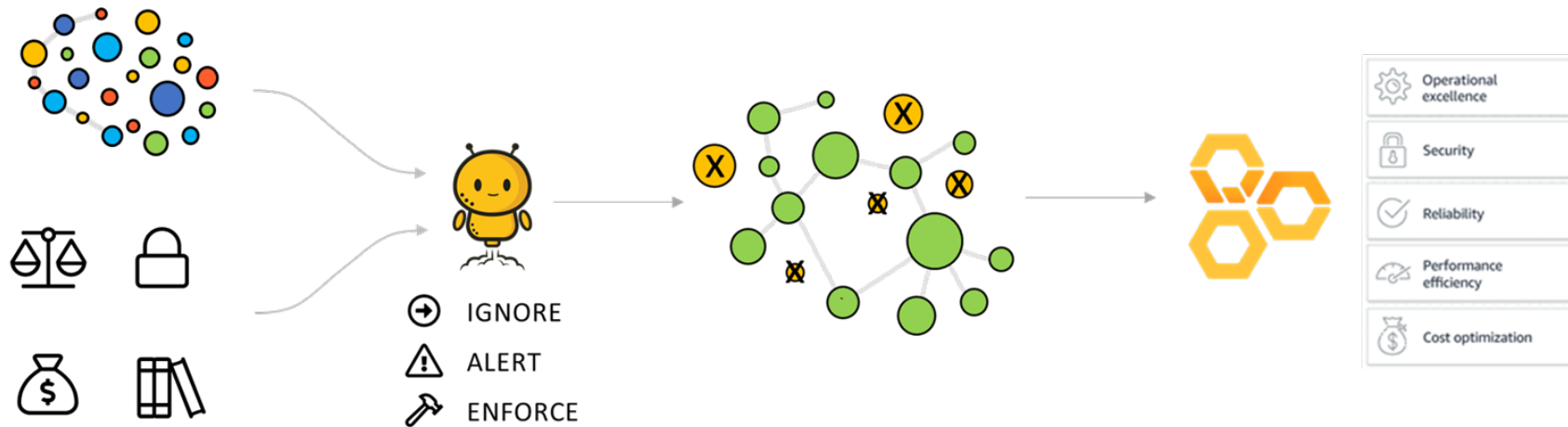
Turbot will automatically detect when encryption is misconfigured triggering Turbot to raise an alert and correct the misconfiguration in real-time.



The screenshot shows a notification in the Turbot console. The notification title is "ALARM → OK: Default Encryption a..." and it is associated with the resource "AWS > S3 > Bucket". The notification is dated "bob-demo-9-10-2020" and occurred at "11:18am". Below the notification, there is a diff view showing the configuration for "ServerSideEncryptionConfiguration". The diff highlights the "Rules" section, which includes "ApplyServerSideEncryptionByDefault" with "SSEAlgorithm: AES256".

Notification	Resource	Time
ALARM → OK: Default Encryption a...	AWS > S3 > Bucket	11:18am
Bucket updated	AWS > S3	11:18am
Updated Encryption at Rest	AWS > S3 > Bucket	11:18am
OK → ALARM: Default Encryption a...	AWS > S3 > Bucket	11:18am
Bucket updated	AWS > S3	11:18am

Turbot manages AWS WAT Workloads



- **Visualize & search** workloads inventory & activity history
- **Alert** or remediate
 - Unapproved configs by regions, risk counts, naming, etc.
 - Inactive workloads based on usage, age and last modified
 - Misconfigured workload tags
- **Managed access** to prevent or allow workload assessment changes
- **Auto -answer** workload assessment questions (coming soon)

```
Resource Updated

Tags:
  Name: bob-demo-wat-4-26-2021
  Owner: Bob Tordella
  Environment: Demo
  Owner: '810361751552'
  Lenses:
    - wellarchitected
  - UpdatedAt: '2021-04-26T17:40:48.000Z'
  + UpdatedAt: '2021-04-26T17:42:44.000Z'
  AwsRegions:
    - us-east-1
    - us-east-2
  RiskCounts:
  - HIGH: 0
  + HIGH: 3
  NONE: 0
  MEDIUM: 0
  - UNANSWERED: 52
  + UNANSWERED: 49
  NOT_APPLICABLE: 0
  WorkloadId: b2679ed12316807d8c2611fd5669ea19
  Description: Demo of the WAT WorkLoad Assessment
  Environment: PRODUCTION
  ReviewOwner: bob+wat@turbot.com
```

Well-Architected Governance

Save time when assessing Well Architected:

- Multi -cloud resource inventory
- Ongoing real -time audit tracking
- 1000s of governance controls enabled OOTB
- Identify quick cost savings wins
- Security posture assessment

Implement your recommendations:

- Correct costly misconfigurations
- Remediate security issues
- Continuous compliance in real -time with the OODA Loop

Build Services on top of Turbot:

- Quick value based assessments to help identify opportunities
- Audit preparation, test / evidence tool
- CMDB / inventory discovery, 'search engine' for their env.
- Configuration and change management tracking
- Enhance your service portfolio with new governance patterns



Turbot is Managed Services Tech

Single pane; multiple customers, multiple clouds

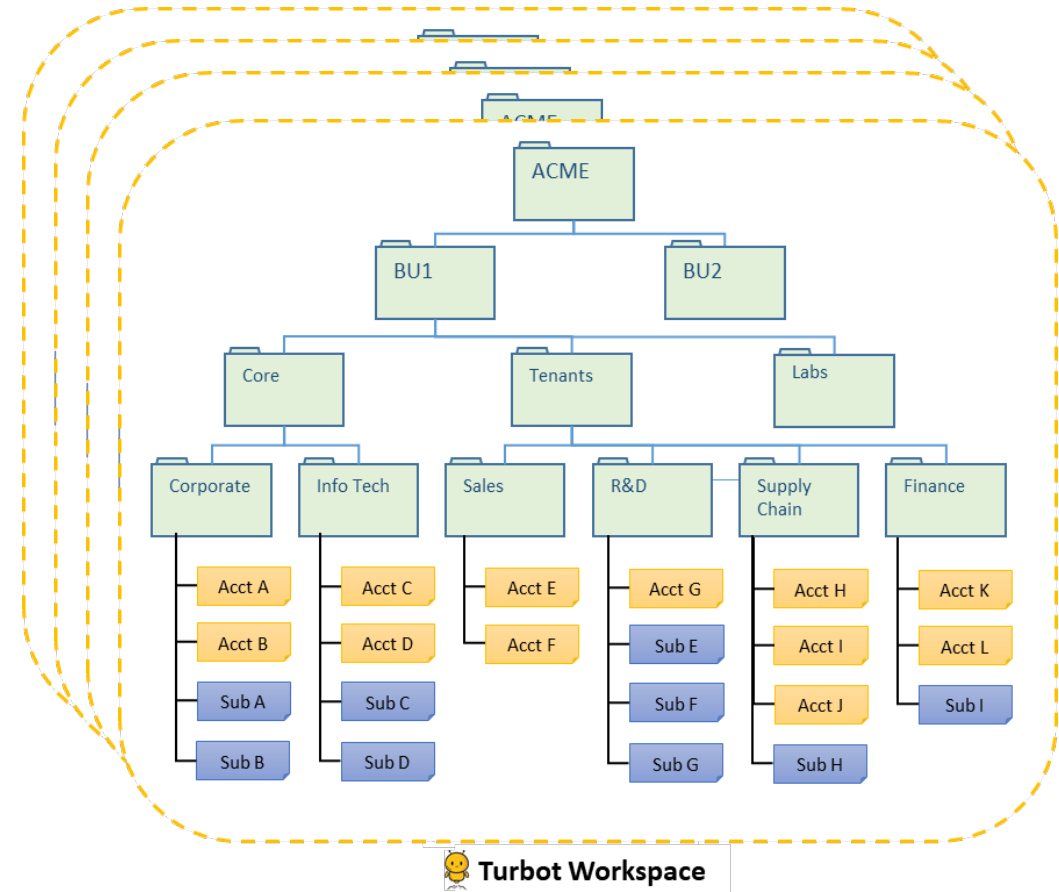
Hierarchical and multi-tenant architecture

Time based access and delegation

Point and click visualizations & configurations

Developer & integration friendly:

- Reporting with filtering and GraphQL backend
- Embedded GraphiQL IDE
- Turbot Terraform provider
- Turbot CLI for extensibility
- Deploy & manage your stacks through Turbot



Turbot is **Ready**

Customer Focused Pre -Sales

- Gap analysis on your customer use cases
- Engaged SMEs with you on customer assessments
- Virtual training and periodic check -ins
- Enterprise support for your service team

Getting Started

- Sign up for our Free Trial: <https://turbot.com/connect>
- Start with your internal workloads
- Extend your free trial to one of your customers
- Convert to a paid subscription in AWS Marketplace
- Partnership opportunities for resell & services



Try the Solution: Free Trial Offer



TURBOT

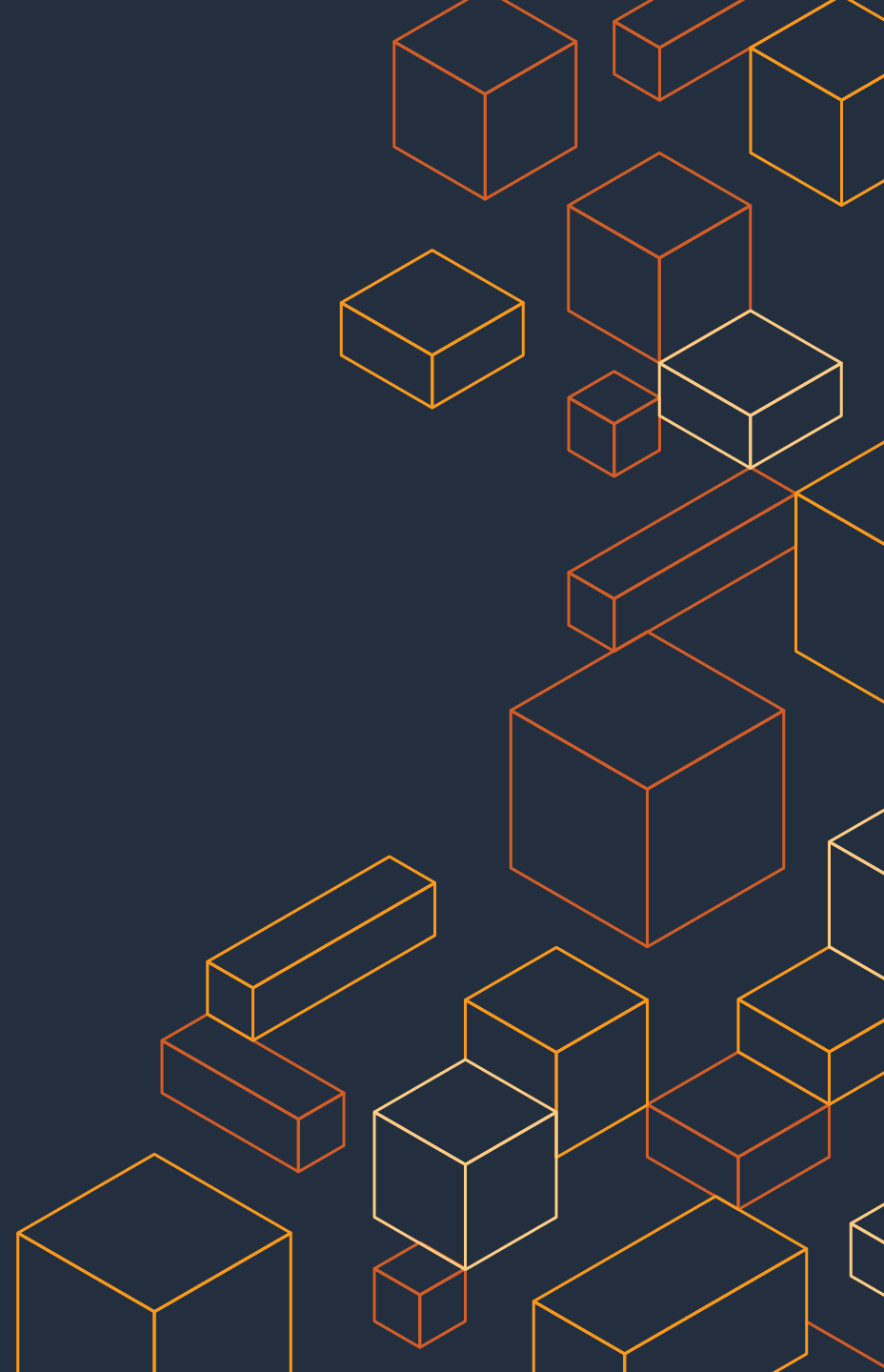
[Request access for a free Partner Trial of the solution »](#)

Get in touch with Turbot: [Contact Turbot now »](#)

[Access the solution brief »](#)



Q&A





AWS Well-Architected

**Thank you –
Join us next week!**