

FPT CLOUDSUITE

Digital Suite
For
Cloudification



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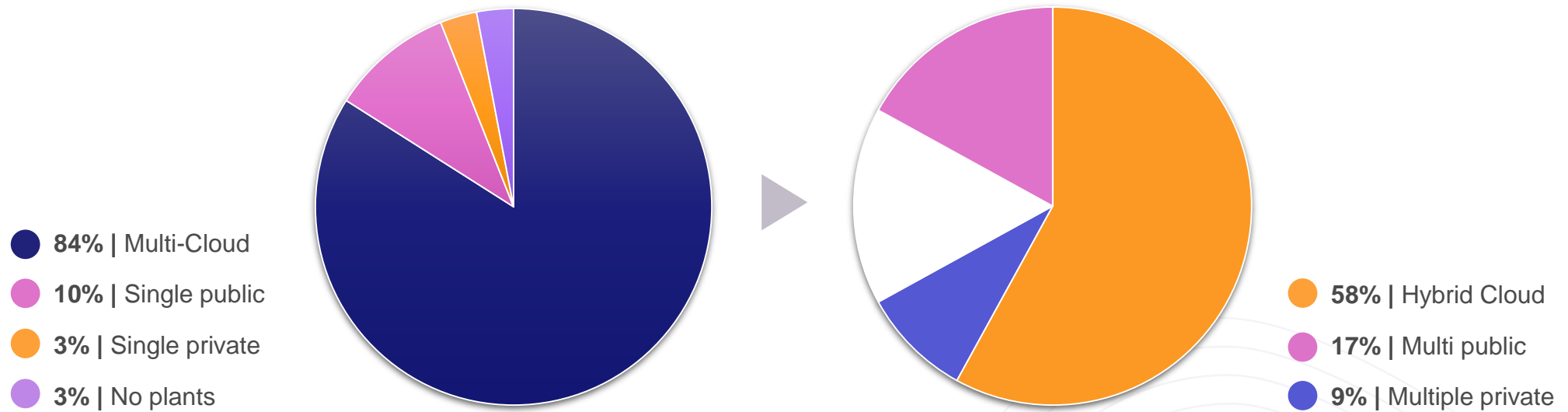
FPT CloudSuite Components

- FinOps
- SecOps
- DevOps
- ITOps

Multi-Cloud Is Not Just Trend

The Majority Of Large Enterprises Use Multiple Clouds

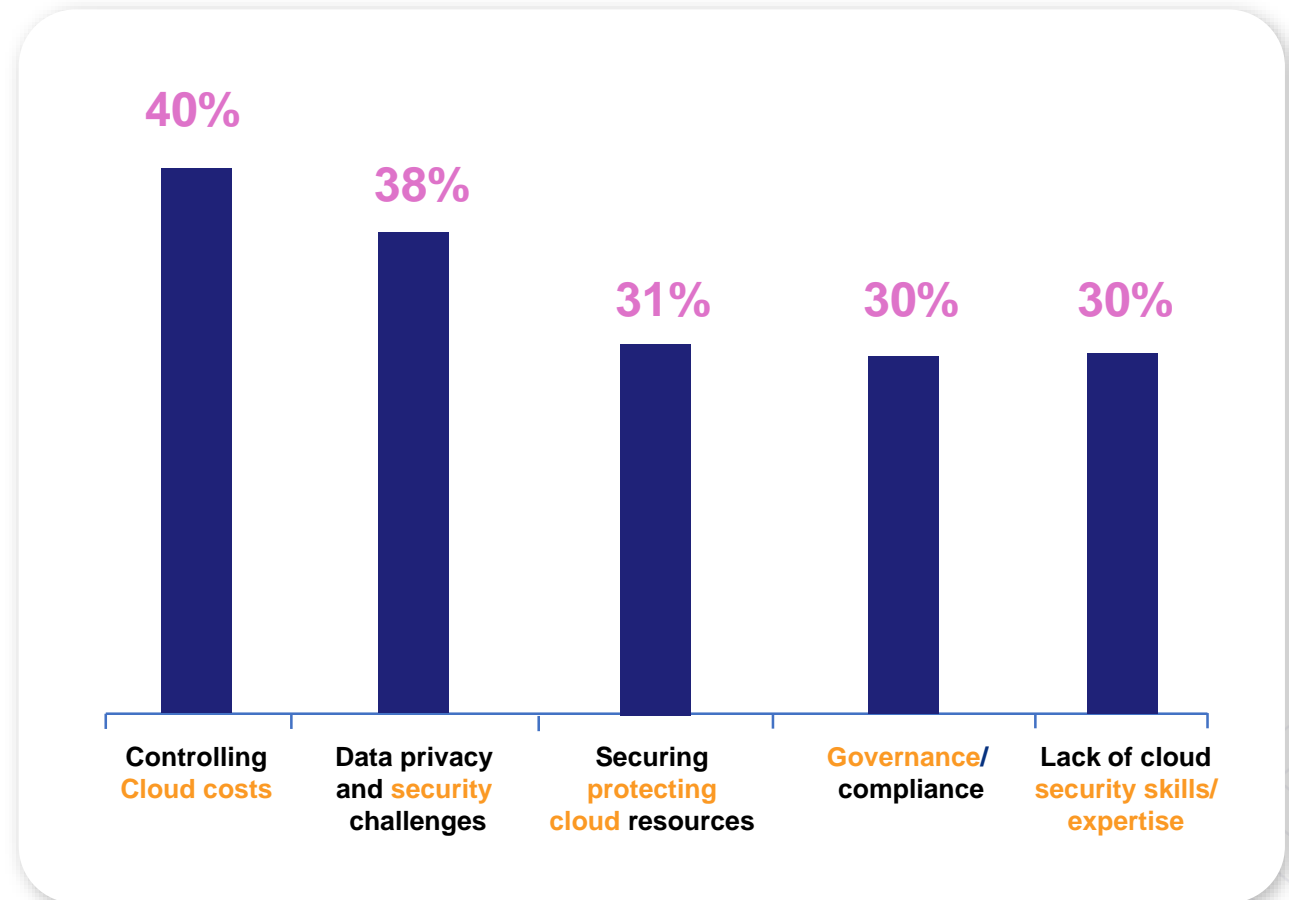
Enterprise Cloud Strategy
1000+ Employees



Top 5 Challenges to Public Cloud

Top 5 Challenges to Public Cloud

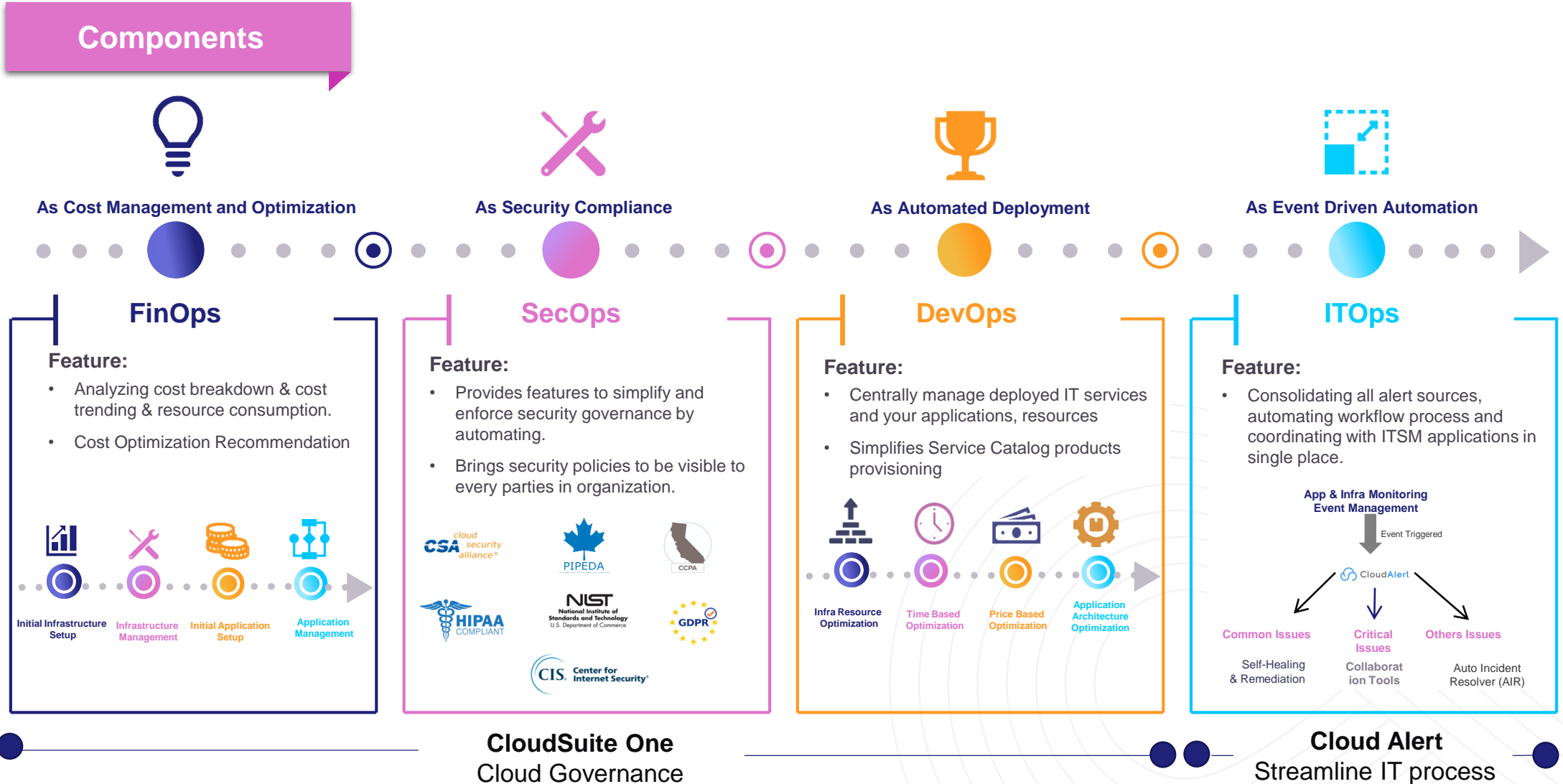
*IDG 2020 Cloud Computing Study



FPT Cloudsuite Overview

CloudSuite – More than just CMP

Cloud Suite is the set of solutions that enables organizations to **operate, optimize & automate** their **multi-cloud** environment to achieve the best efficiency in cloud operation.



Cloud Product – Features

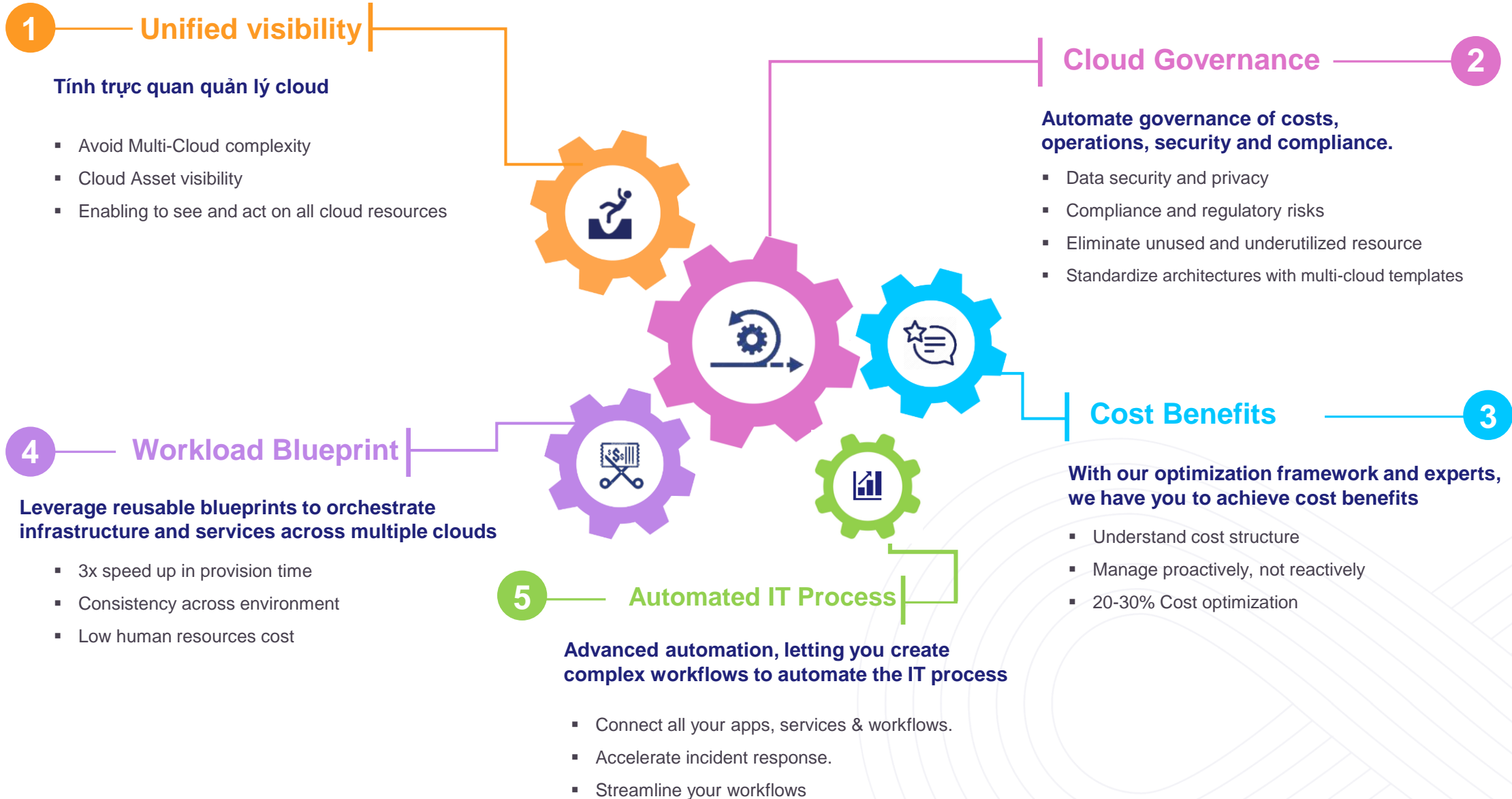
A successful cloud journey starts well before a cloud platform vendor is selected. It begins when business and IT decision makers realize that the cloud can accelerate a specific business transformation objective.

Features

Inventory	FinOps	SecOps	DevOps	ITOps (Alert)
Resource Management Category & Classification Resource Change (Drift Detection) Resource Filter Resource Detail AWS, Azure, GCP	Cost Management Dashboard Cost Allocation Trending & Forecast Budget & Alert Billing Report Cost Optimization Policy & Recommendation Reserved Instance Tag compliance Tag policy Vendor AWS, Azure, GCP	Security Compliance Build-in compliances (10+) Built-in security policies (450+) Inventory dashboard Violated resource detection Resource detail Recommendation Investigate by RQL Report By cloud resource By security standard Vendor AWS, Azure, GCP	Service Catalog Create, manage & deploy template Support dynamic template Support script installation AWS Cloud Formation Azure Resource Manager Terraform Resource Control View VM status Start / Stop/ Reboot VM Scheduling control AWS, Azure	Event source Raw event message CSV Mapping field Rule engine Define by criteria Action Action logs Email, MS Team, Slack ServiceNow, PagerDuty Runbook Vendors AWS, Azure, GCP DataDog, Nagios, Zabbix

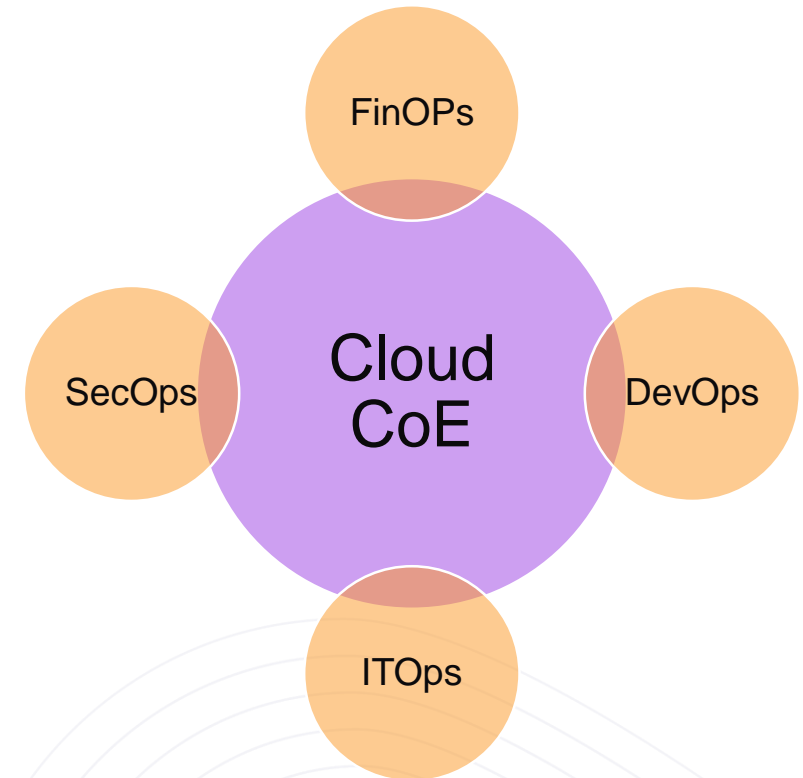


Values We Can Bring



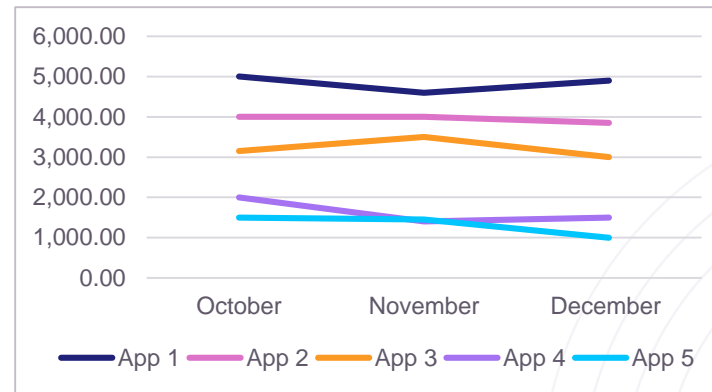
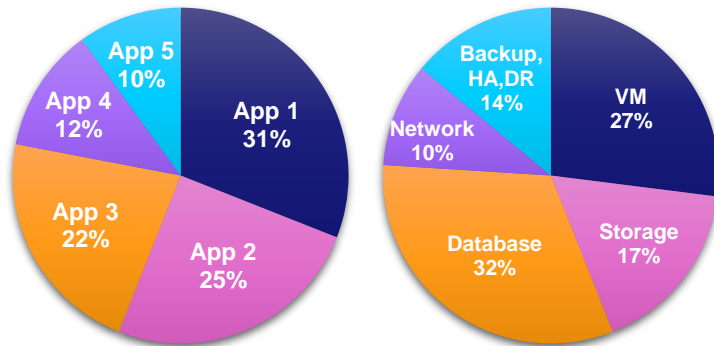
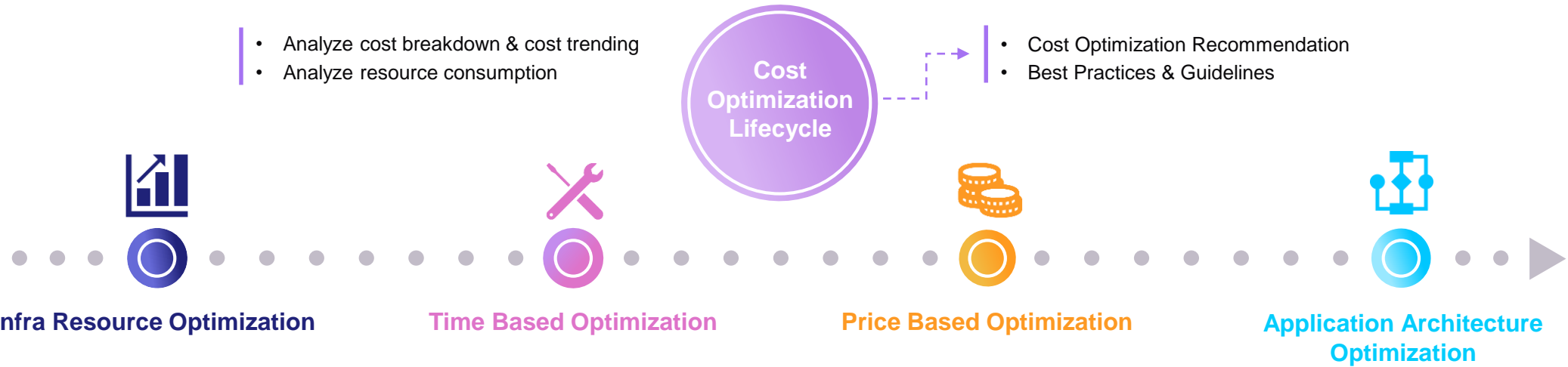
Unique selling points

- ✓ **All-in-one solution:** 4xOps in the real world (FinOps, SecOps, DevOps, ITOps)
- ✓ **Comprehensive solution & service in cloud operation:** More than the tool sets, we provide the methodologies and implementation to help the customer overcome the challenges.
- ✓ **Flexible pricing:** Offer the competitive pricing compared to the other vendor
- ✓ **Easy customization:** support customers to personalize a product according to their needs and preferences.



FPT Cloudsuite Components

FinOps - Cost Management & Optimization



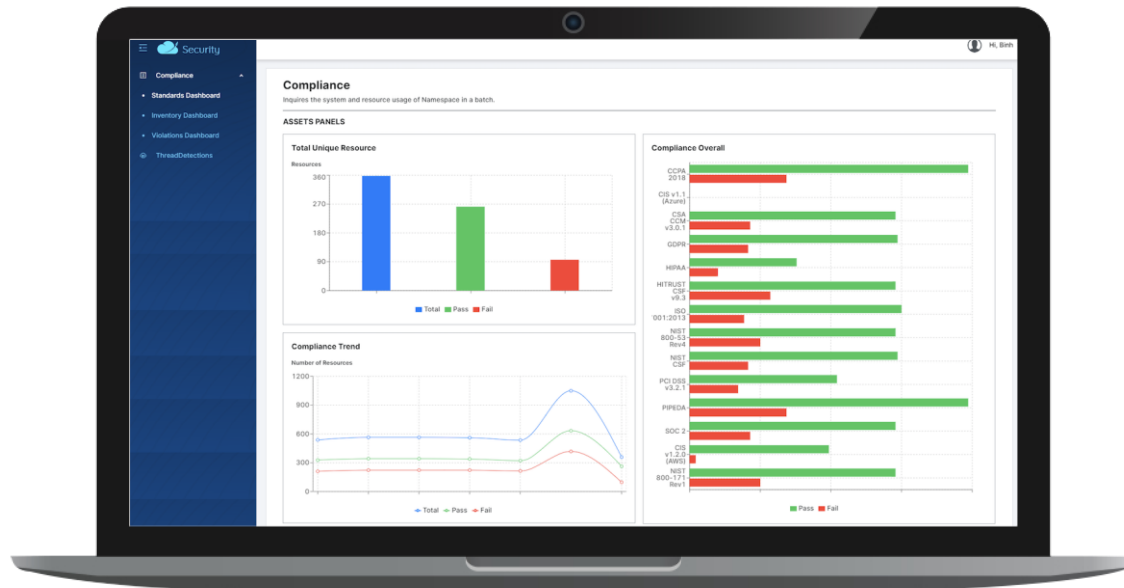
- Analyze cost breakdown reports to select critical components need to optimize

- Analyze cost trending to detect the anomalies

- Analyze resource consumption to optimize components

SecOps – Security Compliance

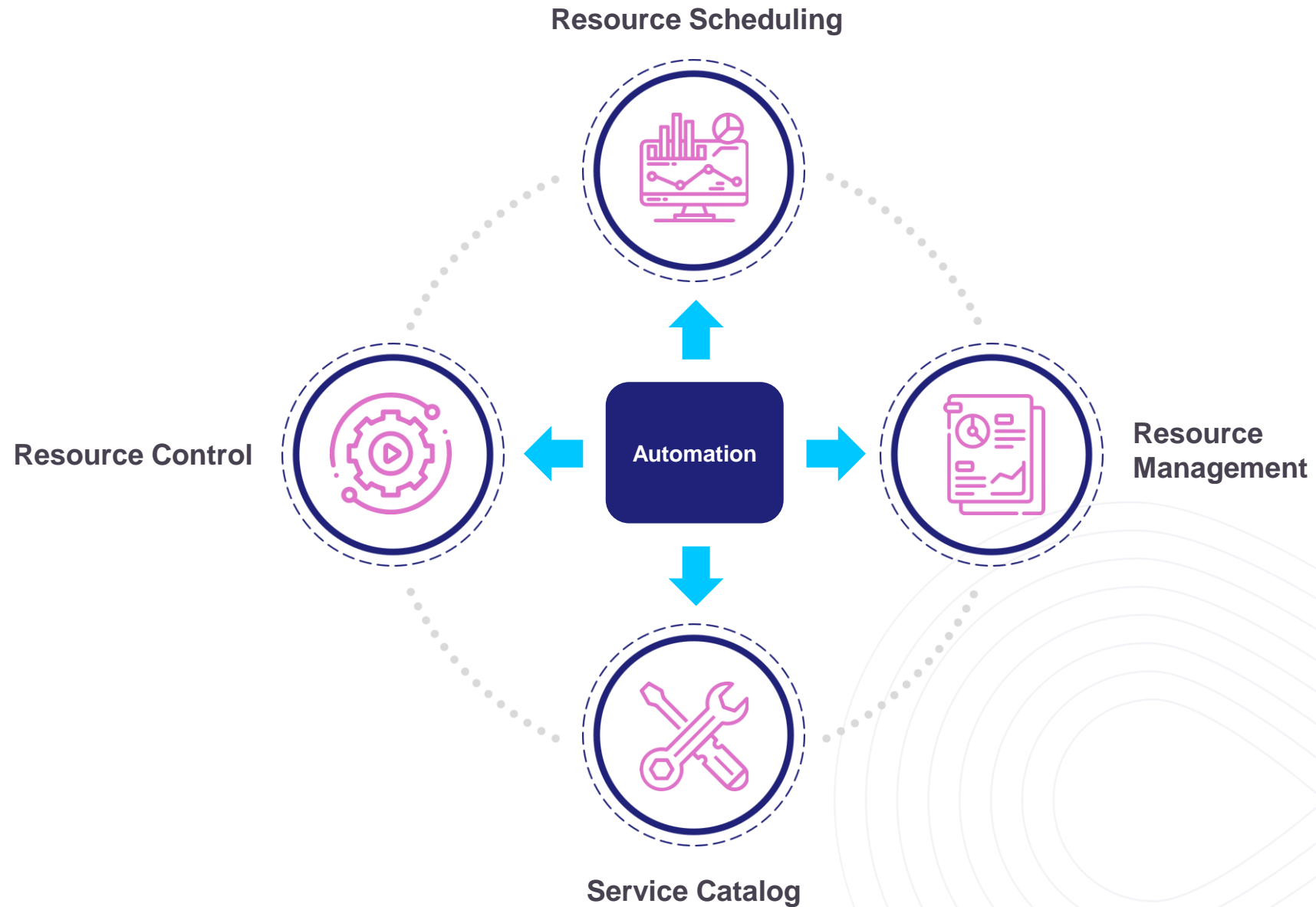
Cloud SAFE provides features to simplify and enforce security governance by automating and bring security policies to be visible to every parties in organization.



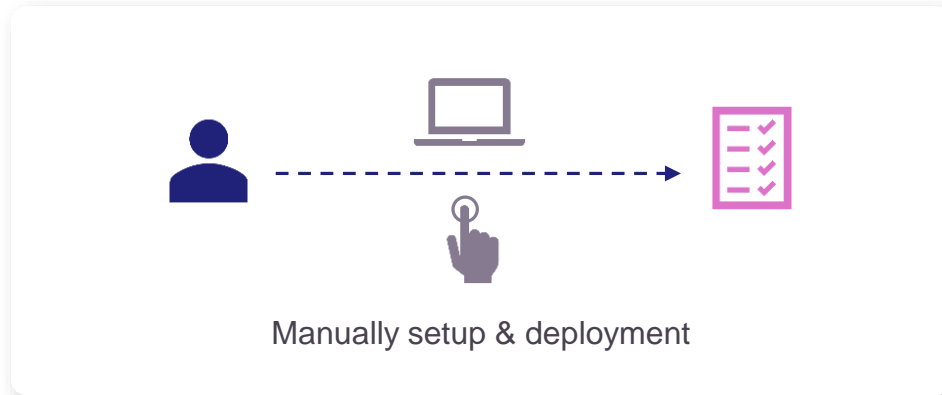
Compliance	Policies	Coverage
AWS Foundational Security	133	100% for Azure & AWS & GCP
HIPAA	56	
CCPA 2018	247	
NIST	280	
CSA	101	
CCPA	247	
GDPR	84	
PIPEDA	246	
CIS	144	



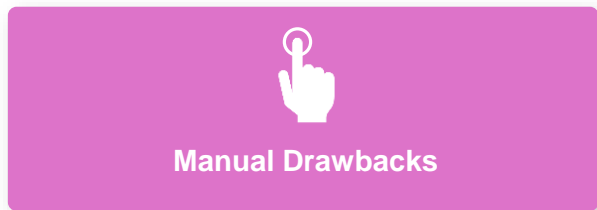
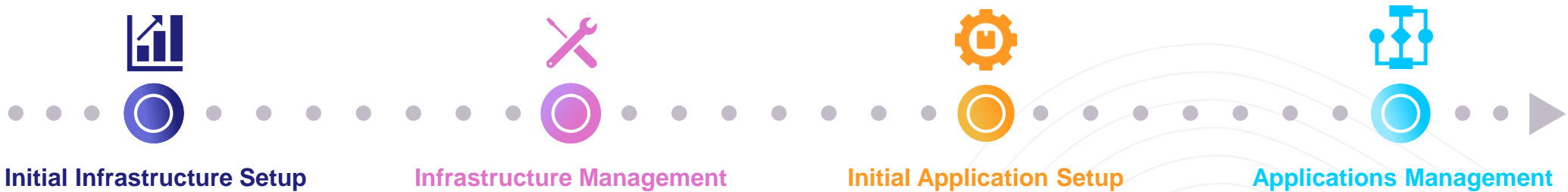
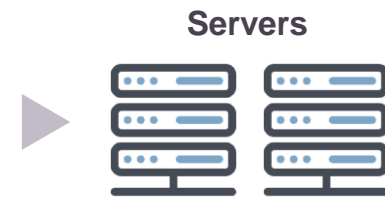
DevOps – Resource Control & Service Catalog



DevOps – Automated Deployment

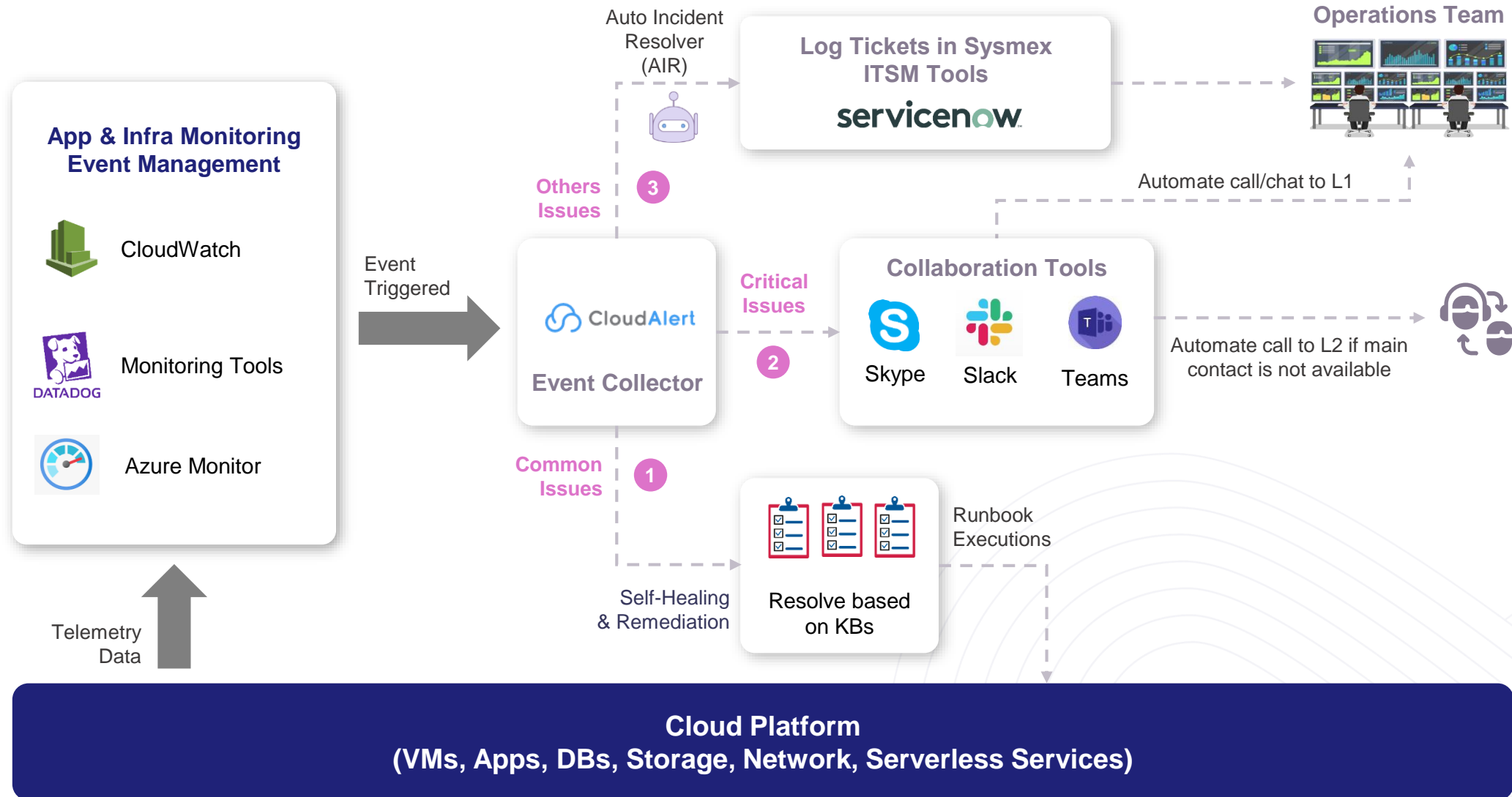


- Setup servers
- Configure networking
- Create route tables
- Install software
- Configure software
- Install database
- Deploy applications/services
- Manage applications/services



- ✓ Consistency across environment
- ✓ Unreliability
- ✓ Hard to audit
- ✓ Low human resources cost
- ✓ Less effort and time
- ✓ Less human errors possible

ITOps - Event Driven Automation



Awards

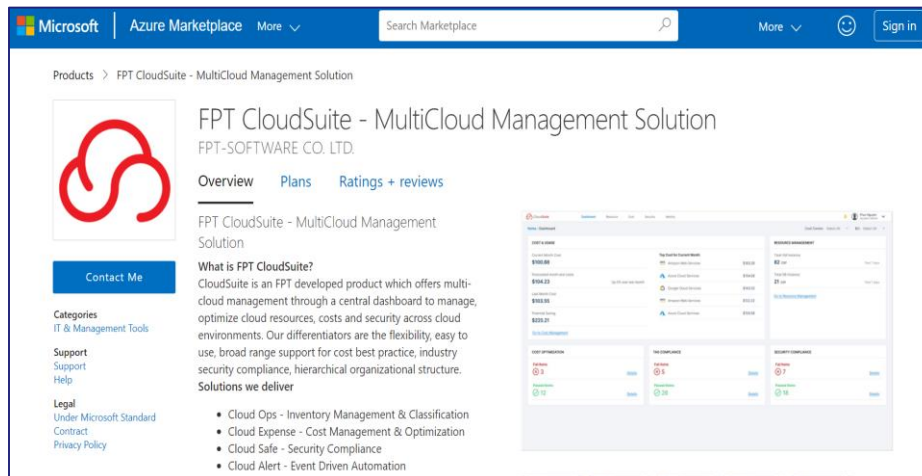
The slide features several decorative elements: a top-left corner with light blue diagonal lines; a top-right corner with a pattern of small white dots; a bottom-left corner with a pattern of concentric white arcs; a vertical light blue line to the right of the word 'Awards'; a large pink circle in the upper right quadrant; and a smaller pink circle in the lower left quadrant.

Honors & Awards

2022 GLOBEE Awards



2022 Asia-Pacific Stevie Awards



Azure marketplace



Sao Khue 2022

Success Stories



Success Story: Cloud Management Platform

Our Customer



South Korea's corporation



\$100B+
USD Revenue



10K+
Customers Served



60,000+
Employees

B BUSSINESS NEEDS

The client wants to build up the managed service which has the main features as below:

- User can manage or monitoring and review resources status as visualize data from Multi Cloud services and Hybrid
- Grants you the ability to classify resources according to the required criteria such as cloud account, service, region
- Accounts, access & authority to use resources are managed from cell level of organization
- Easier to integrate with other system as Monitoring suite (Grafana, Prometheus...), Incidents Management applications.

C TECHNICAL CHALLENGES



04

Cloud Vendors
(AWS, Azure,
GCP, IBM)

100+

Asset &
Resource

500

Metrics for managing
cloud services on
multi-cloud
environment

S SERVICES & SOLUTIONS



Build up the web based application as Cloud Management Platform (CMP)

- Provide the collector to get information periodically from the Cloud vendors
- Analytics & Aggregation data algorithm to offer consistency across environments

R RESULTS & IMPACTS

- **Operation Efficiently:** offers CMP for user to manage resource across MultiCloud environments. Centralized Management on single management place.
- **Cost Optimization:** reduce 25% cost spending, 30% human effort
- **Data Security Level Improved:** Reduce complexity and Optimizing Operational Efficiency
- **User Management:** Accounts, access & authority to use resources are managed from cell level of organization

Success Story: Hybrid Cloud Management

Company Stats



Global IT service



\$3B+
USD Revenue



1000+
Agents



10,000+
Employees

B BUSSINESS NEEDS

- Manage & control the large number of virtual machines on VMware ecosystem
- Expensive license when using third party software solution
- Self-service, multi-tenant support, easy to customize
- Capable of extending to support AWS, Azure

S SERVICES & SOLUTIONS

- Build up the V2MP to support resource management VMware and capable of extending to the other Public Cloud vendor (e.g. AWS, Azure)
 - Apart from that the system allows other services be able to integrate with through REST API
- Support the main features:
- Compute Management
 - Storage Management
 - Network Management
 - Performance & Usage
 - Service Catalog Management

R RESULTS & IMPACTS

- Saving 30% licensing cost
- Unlock single-pane-of-glass visibility of customer's hybrid cloud environment
- Centralized monitoring resource, performance & usage
- Optimized spend and usage
- Easy to integrate with the ITSM system



Success Story: Event Driven Automation

Our Customer

 **FPT Software**
(in-house development & commercial product)

 **\$800M+**
USD Revenue

 **10K+**
Customers Served

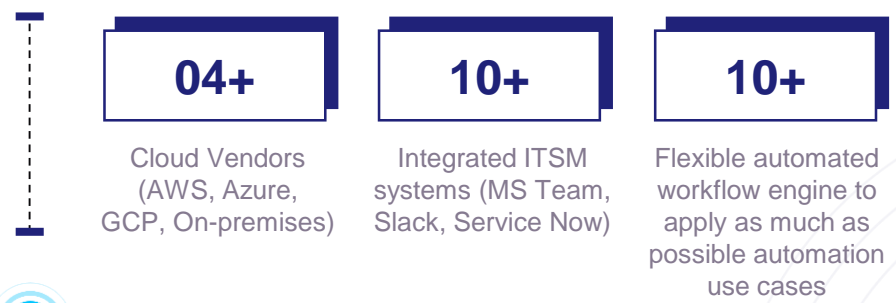
 **30,000+**
Employees

B BUSSINESS NEEDS

The client is maintaining the complex application with multiple integrated components from Monitoring to ITSM system. They want to build up the application which is used to solve our the following problem:

- Collaborative platform that enables technical and non-technical users to build internal tools/workflows faster together.
- Generate tickets, groups alerts, filters out the noise, and notifies you using multiple channels.
- Providing the necessary information for your team to immediately begin resolution.
- Leverage operators to respond to critical issues before they impact your business by automated workflows
- Easier to integrate with other system as Incidents Management (Service Now), collaboration tools (MS Team, Slack), automation tools as Airflow, Pager Duty.

C TECHNICAL CHALLENGES



S SERVICES & SOLUTIONS

- Build up the event driven automation solution:
- Adapt to microservice architecture
 - Design rule engine as the core component to ingest, match criteria and route message
 - Apply & leverage Airflow as Runbook engine
 - Adapter to integrate with 3rd ITSM system

R RESULTS & IMPACTS

- **Operation Efficiently:** Modern incident management for operating always-on services, quickly response time
- **Cost Optimization:** reduce 20% human effort, improve the productivity
- **Leverage automated strategy:** Harness the alert intelligence and custom playbooks.



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The text 'Thank You!' is centered on the slide in a large, white, bold, sans-serif font. To the left of the text is a vertical cyan line that starts at the top of the text and extends downwards, ending at the bottom of the text.

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