

# Happiest Minds Approach on Zero Trust

Evaluate | Address | Manage -

The Zero Trust security model is indispensable for a modern enterprise today as security architectures in a digital world have been at the receiving end of continuously evolving threats.



### **Pillars of Zero Trust Architecture** Never Trust, Always Verify



Zero Trust architecture is built on the idea of verified trust and validation of devices and individuals prior to access grants to reduce risks across the environment within the corporate network. So, to trust, user identity, network, devices, and applications must be first verified, and risks meticulously assessed before any transaction can occur.

# Zero Trust Approach Model

#### Stage 1

### **Establishing User Trust**



Identity, Credential, and Access Management (ICAM) strategy aligned to business



Integration of MFA solution supported by risk-based policies

### Stage 2

### **Gaining Visibility into Devices & Activity**

Distinguishing between managed & unmanaged devices



Performing vulnerability check

#### **Trustworthy Device** Stage 3



Verifying, updating, and reporting out of policy device

#### **Establishing Adaptive Policies** Stage 4

Ensure user adhere to centrally managed access policies

#### **Zero Trust** Stage 5



Ensure your Zero Trust Strategy is supported by an architecture



Verify the process that enables users to seamless access to on-prem and cloud applications

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### **Zero Trust Architecture – End State**

Identity	Devices	Data
Password less authentication is enabled	Endpoint threat detection is used to monitor device risk	<ul> <li>Classification is augmented by smart machine learning models</li> </ul>
User, device, location, and behavior is analyzed in real time to determine risk and deliver ongoing protection	Access control is gated on device risk for both corporate and BYO devices	<ul> <li>Access decisions are governed by a security policy engine</li> <li>DLP policies secure sharing with encryption and tracking</li> </ul>
Applications	Network	Infrastructure
	Network	innastracture
<ul> <li>All apps are available using least privilege access with continuous verification</li> </ul>	<ul> <li>Fully distributed ingress/egress cloud micro-perimeters and deeper micro-segmentation</li> </ul>	<ul> <li>Unauthorized deployments are blocked, and alert is triggered</li> <li>Granular visibility and access control</li> </ul>

# **Happiest Minds Zero Trust COE**

<ul> <li>Identity and Access Management</li> <li>Data Security and Privacy</li> <li>Natural Architecture Deviation</li> </ul>
Threat Assessment Services Cloud Security Assessment DevSecOps Assessment SOC Assessment
Management and Monitoring
<ul> <li>Device Management</li> <li>User and Entity Behavioral Analytics</li> <li>Network Behavioral Analytics</li> <li>Malicious Network Activities</li> <li>Phishing Attack Detection</li> <li>Command and Control Communications</li> <li>Threat Hunting and Forensics</li> </ul>

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## Happiest Minds Zero Trust Model Case Studies

### 01

### IAM Program Governance and Management services for a leading Global Manufacturing Company

Current & Future IAG architecture definition covered

IAG roadmap established

Reeducated risks of cost overrun & schedule overrun

05

### 02

### Security Orchestration, Automation, and Response for a Retail Giant in Australia

~ 70% reduction in incident response time

- Right sizing and right fit solution selection
- Reduced customer spending by ~50% and projected efficiency gain of 30% in 12 months

### Data Security and Assessment for a leading Indian Online Gaming Company



Enabled 360-degree view of the current data landscape, security infrastructure, and underlying gaps & risks

Detailed DFD & PI Data inventory to identify the leak channels & prevention mechanisms to be deployed Defined Zero Trust Security Framework in line with technical & compliance requirements, organization roadmap & budget Phased remediation plan to mitigate the risks based on the criticality and security program aligned with global expansion plans & consequent regulatory requirements

## Partnerships enabling our Zero Trust Approach





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#### **About Happiest Minds Technologies**

Happiest Minds Technologies Limited (NSE: HAPPSTMNDS), a Mindful IT Company, enables digital transformation for enterprises and technology providers by delivering seamless customer experiences, business efficiency and actionable insights. We do this by leveraging a spectrum of disruptive technologies such as: artificial intelligence, blockchain, cloud, digital process automation, internet of things, robotics/drones, security, virtual/augmented reality, etc. Positioned as 'Born Digital . Born Agile', our capabilities span digital solutions, infrastructure, product engineering and security. We deliver these services across industry sectors such as automotive, BFSI, consumer packaged goods, e-commerce, edutech, engineering R&D, hi-tech, manufacturing, retail and travel/transportation/hospitality.

A Great Place to Work-Certified<sup>™</sup> company, Happiest Minds is headquartered in Bangalore, India with operations in the U.S., UK, Canada, Australia and Middle East.