Unlocking the Edge using HPE Edgeline: A technical discussion with Accenture

Presenters
Mallik Bepeta

June 2021
## Managed Edge offering

### Managed Services

<table>
<thead>
<tr>
<th>Services</th>
<th>Delivery Management</th>
<th>Service Monitoring</th>
<th>Patching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onboarding</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Analytics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data &amp; Video</td>
<td>Computer Vision</td>
<td>Artificial Intelligence</td>
<td>Machine Learning</td>
</tr>
<tr>
<td>Image Analytics</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Use Case application - Industries

- **Telco**
- **Media & Communications**
- **Public Sector**
- **Location Services**
- **Retail**
- **Healthcare Manufacturing**
- **Oil & Gas**
- **Campus & Branch**
- **Life Sciences**
- **Financial Services**

- **HPE Ezmeral, Tanzu, GKE, AKE, KPS**
- **Azure Stack HCI, VMware, Red Hat- OpenShift, Nutanix & Anthos**
- **Wireless, Edge Network & SD-WAN: HPE, Aruba & Silver Peak**
- **HPE Edgeline Systems**

### As a Service “aaS” Layer

- **Infrastructure Layer**
- **Network Layer**
- **Software Layer**
- **Container Layer**
- **Application Layers**

**Security**

- **H/W Physical & Network**
- **Virtual/Container Application Access**
- **Access controls**

**Analytics**

- **HPE Ezmeral, Tanzu, GKE, AKE, KPS**
- **Azure Stack HCI, VMware, Red Hat- OpenShift, Nutanix & Anthos**
- **Wireless, Edge Network & SD-WAN: HPE, Aruba & Silver Peak**
- **HPE Edgeline Systems**

**Copyright © 2021 Accenture. All rights reserved.**
Why HPE Edgeline compute

One box, many possibilities
• Impressive edge optimization
• Unique integration of OT and IT technology
• Manage, service, and update from anywhere

Key features of HPE Edgeline
• Up to 112 Intel® Xeon® cores
• Hyperconverged hardware: everything you need in one rugged package
• Compact Size (8.6” x 8.7” x 17”)
• Ruggedized – 0-55C; Designed Tested shock & Vibration
• Remote system health monitoring
• ‘Silicon root of trust’ for advanced security
• Trusted platform module
HPE Edgeline Converged Edge systems

- Purpose-built Edge solutions
- Relentlessly Ruggedized
- Open, Standards-based Architecture
- Uncompromised performance

**Basic Gateways**

- **Entry Level Gateway**
  - GL10

- **Mid Level Gateway**
  - GL20

**Converged Edge systems**

**OT + IT**

- **EL300**
  - Mid Level Converged Edge System

- **EL1000**
  - Mid-High Level Converged Edge System

- **EL4000**
  - High Level Converged Edge System

- **EL8000**
  - Extreme Level Converged Edge System

- **EL8000t**
Edgeline IT-OT framework

**Edge Tier**

- **H/W Adapter Cards**
  - CANbus
  - NVIDIA T4 Tesla GPU
  - AMD GPU
  - Intel GPU

- **S/W Built in connectors**
  - Modbus
  - BACnet
  - PROFINET
  - 100’s of others

**Enterprise Tier**

- **OT Hardware**
  - EL4000
  - EL8000t
  - EL8000

  **Software Link**

- **Built-in S/W connectors**
  - Microsoft Azure IoT
  - AWS IoT
  - GCP IoT
  - SAP

**Networks**

- **Proximity network**
- **Corporate network**

**Corporate Datacenter**

- Public/Private Cloud
Managed services

Accenture Operations
Management Platform

<table>
<thead>
<tr>
<th>Services Onboarding</th>
<th>Delivery Management</th>
<th>Service Monitoring</th>
<th>Patching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Policy Governance</td>
<td>Centralized RBAC Management</td>
<td>Backup</td>
<td>Multi-cloud Management</td>
</tr>
</tbody>
</table>

Regional/Centrally client locations
HPE Edgeline Infrastructure Manager / Infosight / iLO

HPE Edgeline Agents, iLO

Network & Security
Contacts

Kristine Cruthers  
Accenture HPE Global Lead  
kristine.cruthers@accenture.com

Andriy Chortkivskyy  
Accenture HPE Solution Architect Lead  
andriy.chortkivskyy@accenture.com

David Bernetti  
Accenture HPE Edge Global Market Lead  
david.n.bernetti@accenture.com

Mallik Bepeta  
Accenture HPE Edge Global Technical Architecture Lead & SMA  
mallikarjun.bepeta@accenture.com

Visit Accenture at:  
accenture.com | accenture.com/HPE
Thank you