



SECURE. NIMBLE. EDGE.

## Elite enterprises choose the Bolt edge computing platform for demanding environments.

### Power at the edge for businesses built on security.

Designed from the ground up to support private cloud, hybrid, and on-premise deployments, Bolt is container native and easy to operate. All major enterprise cloud providers are supported, including:

Microsoft Azure  
Amazon Web Services  
Google Cloud Platform

IBM Cloud  
VMware Cloud  
Oracle Cloud



IBM Cloud

vmware®

ORACLE®

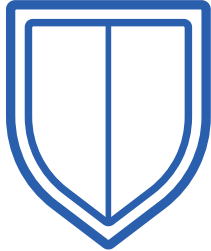
### Ownership has privileges.

Private key ownership keeps content in the right hands – yours. Data is encrypted at rest and in transit. Eliminate vendor lock-in and challenges with moving data outside the corporate environment.

## Machine learning workflows you can use - and depend on.

Because ML models are deployed in private customer environments, they are not subject to vendor lock-in, changes of TOS, or challenges around moving data outside of the corporate network.

- Abstractive speech summarization
- Sentence encoding
- Entity detection, Image segmentation, face detection, motion tracking
- Custom AI/ML model hosting



## We prioritize and protect your network.

Bolt provides network routing rules, efficient file distribution, and stream routing / meeting to broadcast technology to provide network operators with clarity and efficiency.

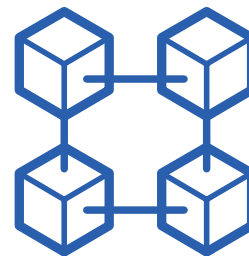
- File distribution
- Async video caching for messaging and VOD communication
- Multicast and stream routing
- Meeting to broadcast



## Redundancy means business continuity.

Bolt is a headless cluster of nodes, there's no hub and spoke model that goes down.

- Mesh networks
- Simplified deployments



## Working instead of waiting.

Bolt parallelizes transcode and ML workflows across nodes and keeps data close to the user to avoid bottlenecks.

- Performance / parallel transcoding
- Flawless media experience

## Global workforces need seamless connections.

Bolt nodes connect clients to each other to enable peer-to-peer applications and ultra fast connections.

Bolt provides the following technical capabilities:

- STUN/TURN
- WebRTC SFU - see <https://webrtcglossary.com/sfu/>
- NAT traversal
- Stream routing (unicast-to-multicast)



# BOLT APPLIANCE SPECS

## System requirements:

Supported Platforms VMware ESXI 5.5 and later are supported.

Virtual Machine Configuration The minimum requirements for a Bolt node are:

CPU: 3 GHz dual core or 4 virtual processors RAM: 8 GB STORAGE: 80GB

1 RU Server Rackspace

Dual Power supplies

Nvidia Tesla GPU for ML and AI Processing

Redundant network Interfaces

SSD available from 480 GB to 16TB

3 Year onsite 4 hour mission critical warranty and support

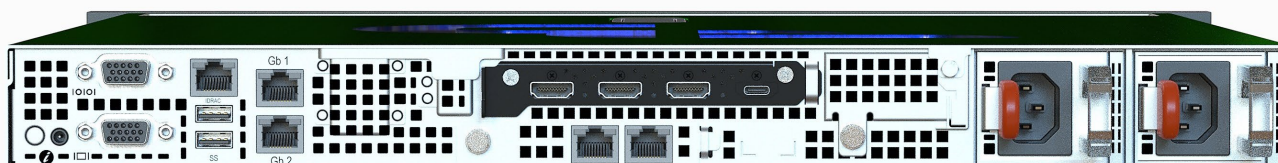
Upgrade hardware at any time with a no cost license transfer.



## Network port usage:

| Protocol | Port        | Direction          | Purpose                                 |
|----------|-------------|--------------------|---|
| HTTPS    | 443         | Inbound            | API and file access                     |
| HTTP     | 80          | Inbound            | API and file access                     |
| TCP      | 4001        | Inbound / Outbound | File sharing and publish-subscribe      |
| SSH      | 22          | Inbound            | Cluster administration                  |
| RTP      | 32702 (UDP) | Inbound / Outbound | Multicast assist file sharing           |
| RTCP     | 32703 (UDP) | Inbound / Outbound | Multicast assist file sharing (control) |
| RTMP     | 1935        | Inbound            | Video stream ingest                     |
| WebRTC   | 3478        | Inbound            | Traversal Using Relay NAT (TURN)        |





## Technical Specifications

|                       |                            |
|-----------------------|----------------------------|
| Model Number:         | BOLT-AP-NV01 [ Appliance]  |
|                       | BOLT-SW-01 [Software Only] |
| Application Revision: | 1.12.79                    |

## Physical Specifications

|                 |                    |
|-----------------|--------------------|
| Rack Units:     | 1RU                |
| Height:         | 42.8mm (1.68")     |
| Width:          | 434.0mm (17.09")   |
| Depth:          | 657.25mm (25.88")  |
| Weight:         | 16.75 kg (36.93lb) |
| Power Supplies: | Dual 550W Platinum |

## Enterprise Integrations

bonfire

BAND

BEGIN



splunk>

