

IndigoHost

We guarantee 99.9% uptime.

Enterprise-Class Network

Using enterprise-class networking gear, all routers, layer-2 switches, and layer-3 switches are tested in labs prior to deployment to ensure stability and interoperability.

Redundant High Bandwidth Connectivity

Using multiple Tier 1 Service Providers, we are able to achieve our 99.9% uptime guarantee, ensuring the highest degree of security against network downtime and the fastest possible data transfers.

Bandwidth Utilization

It is a common misconception that the amounts of bandwidth (size of the pipes that carry the data) differentiate web hosting companies. In reality it is not only the size of the pipes that matters, it is the utilization levels. The utilization of our Internet connections is vital to a network's ability to transfer data without packet loss or latency. We aim to keep all connection usage below 50% to avoid any connectivity problems.

Dynamic Routing

BWS runs the Border Gateway Protocol (BGP4) for best case routing. The BGP4 protocol is a standard that allows for the routing of packets of information sent out from our network. Each packet of information is evaluated and sent over the best route possible. Because of our redundant network architecture, packets may be sent via alternative routes even if they are being delivered to the same end user. Should one of our providers fail, packets leaving our network are automatically redirected through another route via a different provider.

Network Security

The network is a fully switched network. Traffic destined for a website hosted on a server is sent only through switching equipment necessary to deliver the information to that server. This minimizes the risk of someone sniffing or capturing traffic being sent across the network.

Our data centers have the highest levels of security and redundancy without compromise.

Security

Strictly monitored access to all data centers using keycard protocols, biometric scanning protocols and continuous interior and exterior surveillance.

- Access limited to data center personnel only without exception.
- All data center employees undergo thorough background security checks before being employed.

Precision Environment

All data centers' HVAC (Heating Ventilation Air Conditioning) systems are redundant, ensuring that a duplicate system can immediately come online in the event of an HVAC system failure.

- All air is circulated and filtered every to remove dust and contaminates.
- An advanced fire suppression system designed to stop fires from spreading in the unlikely event one should occur.
- All cables are securely tied down with cable racks suspended from ceilings providing dual routes for all cables.

Conditioned Power

In the unlikely event of a total utility power outage, all data centers' power systems are designed to run uninterrupted with all servers being fed conditioned UPS (Uninterruptible Power Supply) power.

- The UPS power subsystem is redundant, with instantaneous failover if primary UPS fails.
- For extended utility power outages, routinely tested, on-site diesel generators can run indefinitely.

Core Routing Equipment

All data centers use only fully redundant, enterprise-class routing equipment.

Network Technicians

The data centers employ certified networking and security teams that are thoroughly experienced in managing and monitoring enterprise level networks.