

# Kloudspot Gateway

Enterprises and wireless solution providers need to efficiently manage their networks to improve operational efficiency and reduce downtime. **Kloudspot Gateway** is a class-leading end-to-end wireless network management product for managing enterprise networks.

Available both as a cloud solution and as an in-premise installation, Kloudspot Gateway supports advanced networks and maximize efficiencies in wireless operations, management and fulfillment of carrier-class services. Kloudspot provides complete visibility of your network, security, device onboarding and management, network analytics and maintenance.

**Kloudspot Gateway** combines the best of network management, AI-based analytics and security on a single platform. Kloudspot Gateway enables businesses to deliver exceptional digital experiences with ease.

This fully configured Wi-Fi engagement solution provides

- Centralized Network Management
- Hosted Wi-Fi guest portal
- User management
- Ad promotions
- Firewall
- Real-time application visibility
- Remote trouble shooting
- Customizable reports

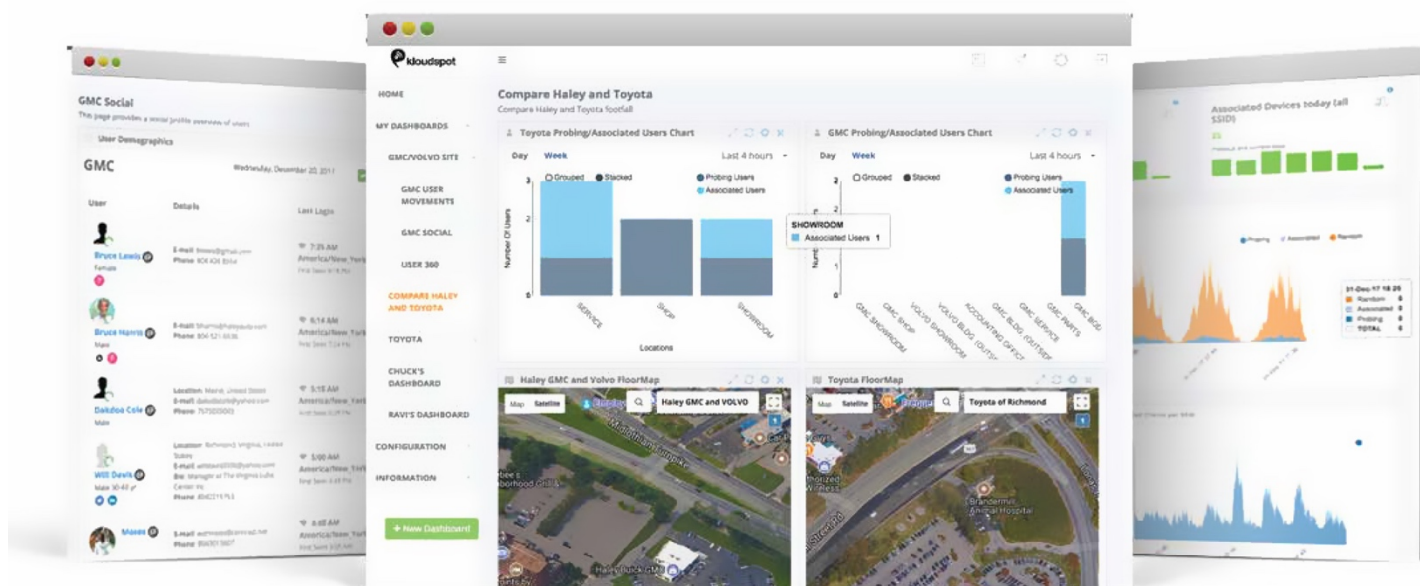


# FEATURES

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## 1. Centralized Network Management

- Quick Deployment and Management**  
 Quickly design, provision, and apply policy to deliver better uptime and improved security. Centralized dashboard helps you manage your network across multi-site and multi-tenant installs.
- Multi-tenant, hierarchical dashboards**  
 Kloudspot provides complete multi-site, multi-tenant, configurable, informative dashboards. Use Kloudspot network insights to optimize network performance and guest experience.
- Quality of Service (QoS)**  
 Ensure quality of experience through better quality of service. Manage data bandwidth, latency variations, and delay. Manage time-based quota with support for single session and multiple sessions time-based quota.
- Audit Logs**  
 Information about usage and changes to the system configuration.
- Notifications**  
 Integration of notifications on Slack, Email and SMS. Log details on notifications sent by the system.
- Reports**  
 On demand or scheduled reports.



## 2. Guest Portal

- **Guest Portal Splash Pages**

Support for complex, multi-steps splash pages with multiple guest sign-in and verification options including

- **Support for multiple login methods**

- web form-based login - Name, Phone, Email
- Social Network Sign-on – Facebook, Google, Twitter
- SMS Authentication via SMS code/ One-time password (OTP)

- **Supports multiple authentication methods with Rest API integrations**

- Short duration trial login for 5/10 minutes for email verification.
- Single use token – based authentication.
- Name + room number authentication – for hotel guests.
- Multi Devices Token: Single token number to work with n number of devices. Each token can be configured independently as per use.
- Multi Devices User/Password: Single combination of username & password to authenticate n number of devices. Each combination can be configured independently as per use.

- **Survey forms** - Use surveys to collect data as part of guest login

- **Advertisement** – Showcase your brand or monetize guest login pages with advertisements or brand promotions.

- **Third Party Integrations** - Integrate login data from 3<sup>rd</sup> party systems such as CRM.



### 3. User Management

- **Client device identity and device information**
  - Customer Identity using MAC address and IP address
  - Device Information: such as OS, Vendor, browser used and device type
  - Time-stamp: Time stamp of user connected over the time. It allow you to see the time-line of an user over a period (last 6 months)
  - Location: Keep track of user location where he/she has logged into the system. View user visit and usage timeline over a set duration.
- **User and device search**
  - Search for device and users based on any recorded user and device parameters
- **Bandwidth and time quota management**
  - Monitor network usage by bandwidth and time. View bandwidth usage – upload and download at device and network levels
  - Block Device - Allow to block device for set period if it breaches the bandwidth or time-based quota.

### 4. Customizable Reports and Data Export

Various reports are available out of the box. These reports and data export feeds can be customized as per customer needs.

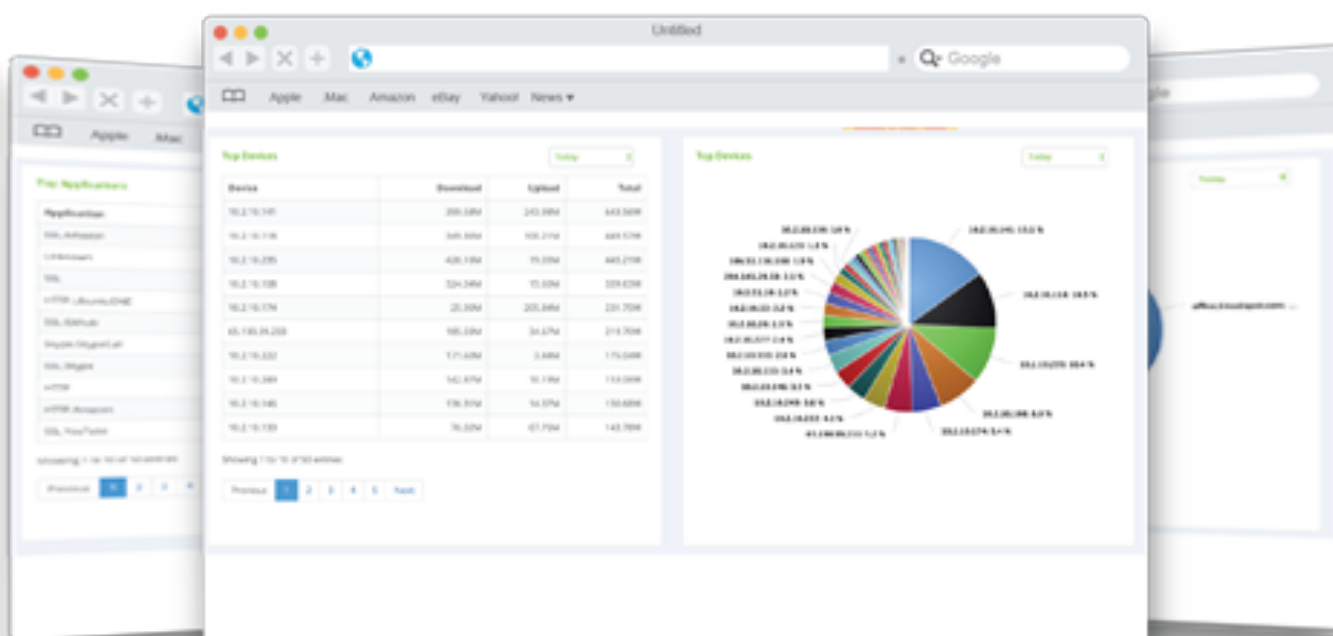
- Gateway Overview Report (PDF) - Gateway details including connected, probe and guest clients and their devices
- Gateway Client Details Report (CSV) -Gateway client details including mac address, device details and client details
- Gateway Used Token Details Report (CSV) - Gateway used token details including token, device, venue, time etc.
- DPI Overview Report (PDF) - DPI details including top applications, clients, DNS domain request and latency with most used applications
- DPI Top Applications Report (CSV) - DPI top applications along with download and upload data
- DPI Top Clients Report (CSV) - DPI top clients along with download and upload data
- DPI Top DNS Domain Requests Report (CSV) - DPI top DNS domain requests with counts

### 5. Data Storage and Retrieval

- Kloudspot store all data in the local storage and can be exported as CSV files. It also supports to periodically send data using the webhook. A webhook (also called a web callback or HTTP/HTTPS push API) is a way for an app to provide other applications with real-time/batch information. Unlike typical APIs where you would need to poll for data, webhook pushes the data to other application. This makes webhooks much more efficient for both provider and consumer.

## 6. Deep Packet Inspection

- Help network operators gain better visibility into the network traffic to understand usage patterns and to correlate network performance.
- Traffic Management, or the ability to control end-user applications such as peer-to-peer applications.
- Policy enforcement and service enhancements such as personalization of content or content filtering.
- Data is collected for whole network as well as each device level.
- Server Network Latency: Network latency to an application. This data is collected for whole network as well as each device level.



## 7. Third Party Integrations

- Rest based API integration with Third party apps.
- Integration with Kloudspot Analytics Engine for deeper network analytics of connected and probing devices.
- Integration with external SMS gateways to send notification and OTPs.
- Integration with social networks for Wi-Fi guest authentication. i.e. Facebook, Twitter and Google
- Integration with external Email SMTP server.

## Designed for performance and scalability

The Kloudspot gateway can be deployed by ISPs, is ideal for malls, hotels, airports, enterprises, event venues, cafes, stadiums, theme-parks and other public places.

The Kloudspot Gateway can be deployed on-cloud as a software or on-premise (Kloudspot Gateway Access-in-a-box) model depending on the business requirement.

### About Kloudspot

Kloudspot is the leader in enabling digital transformation for business by creating intelligence and engagement systems over cloud managed wireless and sensor networks. By enhancing customer identification, understanding and analysis, Kloudspot customers achieve better customer engagement. Kloudspot's Situational Awareness platform provides business value through analytics that convert physical actions of people and devices, IoT, transforming them into real-time digital insights that can be harnessed to deliver better customer experiences and create revenue generating opportunities both online and offline. Visit us at [Kloudspot.com](https://kloudspot.com).

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