

Introduction

An Ajeevi Network management system (NMS) provides multiple services. These include, but are not limited to:

Network monitoring – It monitors network hardware to ensure all devices are operating correctly and are not near or at full capacity. Alerts can be sent to network administrators if a problem is detected.

Device detection – When a new device is connected to the network, Ajeevi NMS detects it so that it can be recognized, configured, and added to the network.

Performance analysis – Ajeevi NMS can gauge the current and historical performance of a network. This includes the overall performance of the network as well as individual devices and connections. The data can be used to optimize the flow of traffic and recommend the addition of new hardware if needed.

Device management – Ajeevi NMS can provide a simple way to manage multiple devices from a central location. It

may be used to configure a device or modify settings based on the performance analysis.

Fault management – In case of device/network failure, Ajeevi NMS can automatically reroute traffic to limit downtime.

Features

- Visualizing your entire IT infrastructure with further classifications based on type or logical groups.
- Automatic configuration of devices and interfaces with predefined templates.
- Monitor and troubleshoot network, server and application performance.
- Implement advanced network performance monitoring techniques to quickly resolve network faults by getting to the root of the problem.
- Get advanced reporting features with provision to schedule and automatically email or publish the reports.

Technical Specifications

S#	Parameter	Remarks
A	GENERAL	
1	Centralized and Integrated Solution	Ajeevi Enterprise Management System
2	Technology Used	COTS (Commercial Off The Shelf) Technology
3	Access Features	RBAC Model (Role-based access and control)
4	Architecture	N-tier scalable architecture, modular design, robust software
5	Framework	.NET Core Framework, ASP.Net MVC
6	Database	SQL Server 2016 and above, Mongo DB, Posgre SQL, Unified database for all SWM data
7	Operating System	Windows / Open Source Linux
8	Front end	Java Script, JQuery, React JS, Angular, HTML, Bootstrap, Razor Pages

9	IOT Hub Integration	Kafka, Rabbit MQ, Socket Programming, Web APIs
10	Application Availability	High availability and DR replicability
11	Single-Sign On facility	Available
12	Audit Trail	Ability for logging, audit, and tracking of any changes carried out on the database
13	Interoperability Standards	Can be integrated with any other application through web APIs (Push or Pull)
14	Security Features	<p>1. Security design with well-designed identity management system, security of physical and digital assets, data and network security, backup and recovery and disaster recovery system.</p> <p>2. Support for security features such as W3C specifications, Information access/transfer protocols SOAP,HTTP/HTTPS ,etc</p> <p>3. API Integration allowed post authentication</p>
15	External Communication	Through SMS Gateway and SMTP Integration
16	Web Enabled Solution	Yes
17	Deployment Features	SaaS Model, On-Premise Model, BOOT Model
18	Cloud Deployment	Amazon AWS, Microsoft Azure
19	Information Security	ISO 27001 Certified
20	Operations	ISO 9001 Certified
B	FUNCTIONAL FEATURES	
1	Functional Features	Event Management
		Real-time network monitoring
		Dashboard and customization
		Alerts and notifications as per defined parameters
		Configuration and change management
		IP and switch port management