24Online Managed Wi-Fi Standalone Solution at Damodar Valley Corporation

In Nutshell
› Supports next generation services
› Acknowledged player in Backing & Educational Institutes
› Caters Wired & Wi-Fi Networks
› Plug-n-play solution
› More than a decade of product experience/solution

Customer	: Damodar Valley Corporation
Industry	: Enterprise Segment
Solution	: 24Online Managed Wi-Fi Standalone solution, including bandwidth monitoring, DHCP Auto-login over prepaid coupon module and complete reporting and High Availability functionality has been implemented.
Objective	: Providing a Managed Wi-Fi solution facilitating State Bank Institute of Leadership to offer flawless wireless internet service throughout to their own staff and visitors. The solution should be able to authenticate the users trying to access the Wi-Fi network, manage bandwidth and generate coupons for users.
Approach	: Damodar Valley Corporation was approached by our partner Globetek Infoway in India for complete wi-fi hotspot solution.
Statistics	: 24online SMS 200ix solution has deployed at DVC NOC as an HA mode with Audit Log, Data Transfer Management, Walk-in Users & Web surfing Logger modules.

Company Background

Damodar Valley Corporation (DVC) requires special mention in this regard. DVC aims to impart knowledge and expertise in areas of strategic management and organizational behavior to senior managers and top executives.

DVC, located in International Financial Hub in New Town, Kolkata, has a world-class infrastructure having an unmatched décor providing great living and academic experience. The DVC campus is spread over 10 acres of land. It has 5 states of the art classrooms, 2 multi utility modernized halls, 22 discussion rooms, and 3 conference halls with Video Conferencing facilities, along with a 350+ seater auditorium.

Residential accommodation for participants is provided in two executive hostels with a total capacity of 200 rooms (single occupancy) with star facilities. For the health conscious and games enthusiasts, there is a multi-gym, a swimming pool, indoor badminton court, two table tennis boards, billiards room, tennis court, basketball field and also carrom and chess.

We are fully equipped to host corporate events, product launches, HR meets, AGMs, conferences, seminars and conclaves.

DVC has also courses hosted on edX platform which are tailored for personal and professional growth. You are welcome to enroll for the courses offered by us at the edX website.

Challenges

The Damodar Valley Corporation wanted a solution that enables smooth Wi-Fi connectivity with authentication process. It is an approaching trend to offer managed Wi-Fi connectivity to their own staff and visitors where they can surf internet from their desktop, laptop, mobile or handheld devices.

Mr. Shashikant from The Damodar Valley Corporation Managed WIFI network division, clearly slated the requirements of the Wi-Fi approach, "The solution must have the captive portal should be customized as per end customer requirement. they can view the bandwidth uses of their end users and see the reports. Also, different customer required different work flows, efficient bandwidth management and monitoring features Also, the solution should be able generate walk-in coupons for users having credentials with pre-paid packages to be offered. The solution should allow admin to create and provide different packages to users according to which pre-paid vouchers can be designed and availed in a printable format. The solution should have extensive reporting features enabling admin to understand the usage in manage user traffic."

Solution Offered:

After considering complete requirements, 24online offered:

Bandwidth and Package Management: 24online's bandwidth management functionality allows defining minimum and maximum bandwidth to be allowed for each plan. Also, bandwidth restriction can be done after certain amount of data usage or after certain usage time period.
24online solution offers dynamic package creation feature using which DVC can easily create and offer different packages for guest/users as per their requirements.
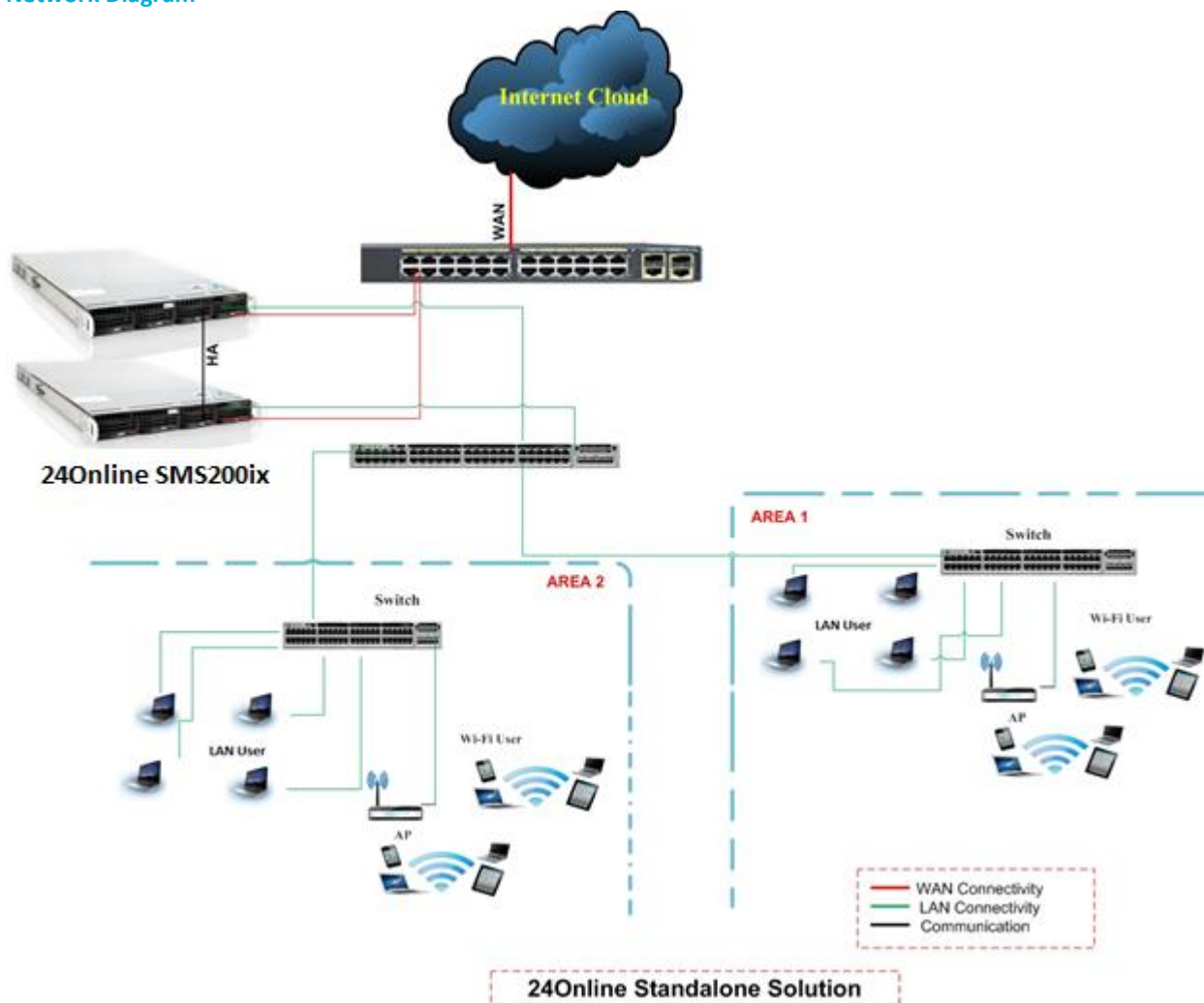
Audit Log: Audit Log is dedicated to store all the actions performed by the user administrating 24online. With the help of this feature you can search transactions or actions like create, manage, edit or delete actions performed in the specified time period and search actions as required. It gives complete details on all the actions performed and actions performed by, with IP address from where the action has been taken and action time. As this feature provides time and duration of action performed, it helps in tracking any unsecured login in admin GUI resulting into data loss.

Data Transfer Module: By data transfer module, defining the amount of quota to be allocated for each user or a package can be done. 24online also facilitates to degrade the bandwidth after specific quota is consumed by the user.

Captive Portal Capabilities: It is necessary that all users accessing library's network should pass thru determined authentication process to secure the network from malicious activities and threats. 24online's captive portal feature offers various options to create and configure pre-login captive portal web pages. Different login templates can be designed and various authentication parameters can be integrated required for different login pages. Also, they can change or reset their password within the captive portal.

Reporting: 24online offers an advanced feature – Web surfing logger, by which an easy tracking of websites and applications surfed by users can be done. This feature is complied with the instructions issued by the government bodies. With the help of this module, regular reports in printable and graphical format can be obtained listing down the surfing details of each user. Moreover, it also helps to ensure about network security and in case of any malicious activity occurrence it makes easy to evaluate by reviewing reports stored in the system.

Network Diagram

24Online Standalone Solution

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