



## 24online Deploys Hotspot Management Solution at Sharjah Public Library, Sharjah



### In Nutshell

- › More than a decade of product experience/ solution development
- › Supports next generation services
- › Acknowledged player in Telecom & Hospitality industry
- › Caters Wired, Wi-Fi, WiMAX and VSAT Networks
- › Plug-n-play solution

### The Bottom Line

“ We have tens of users visiting our library with mobile devices requesting for internet access for research or studying ebooks. We needed a solution which could control access of devices connected, manage bandwidth consumption and maintain logs of user activities in our network. After deploying 24online, our major concerns of access and bandwidth control have been resolved.”  
Ms. Noura, IT Manager, Sharjah Library

### 24online Deploys Hotspot Management Solution at Sharjah Public Library, Sharjah

**Customer** : Sharjah Public Library, Sharjah

**Industry** : Education Segment

**Solution** : 24online Hotspot Management solution with AAA, bandwidth monitoring, prepaid coupon module and complete reporting functionality has been implemented.

**Objective** : Providing a Wi-Fi hotspot management solution facilitating Sharjah Library to offer flawless wireless internet service throughout the library for their members and visitors. The solution should be able to authenticate the users trying to access the Wi-Fi network, manage bandwidth and generate walk-in coupons for users.

**Approach** : Sharjah Library was approached by our premium partner, VisionTech International in Dubai, for complete Wi-Fi hotspot management solution.

**Statistics** : 24online SMS 100i solution is deployed at Sharjah Library with Data Transfer and Walk-in Pins modules.

### Company

The Public Library in Sharjah – officially known as Sharjah Library, running under the administration of Sharjah Government aims to provide wide selection of various information through local and international exhibitions and follows the latest publications in English, Arabic, and other languages.

Sharjah Library is a two-storey building consisting of sound-proof seminar hall equipped with presentation screen, a theatre, a computer room, a television area, a coffee shop, a separate reading room for women, and a special hall for children of 3-12 years of age that has educational toys, games, and books. The library offers wide variety of books based on wide topics and also contains books related to Gulf and UAE studies, and a rare collection of books related to special areas of interest.

Sharjah library wanted to offer wireless connection to library members and visitors, who can purchase a wi-fi service based on their requirement, and surf internet from their mobile devices or laptops.

## Challenge

It is an approaching trend to offer Wi-Fi connectivity in schools, universities, libraries where visitors can read books as well as further research using internet at the same time from their mobile devices.

The Sharjah Public Library wanted a solution that enables smooth Wi-Fi connectivity with authentication process and fair distribution of bandwidth so that high consumption of bandwidth can be restricted and flawless internet can be provided to all users.

Mr. Aliasgar, Managing Partner, Visiontech International, clearly stated the requirements of the Sharjah Library, "The solution needed by the library should have efficient bandwidth management and monitoring features to capably control bandwidth and implement restrictions based on data usage or time period. 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 data plans 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 the library and manage user traffic."

## Solution

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 Sharjah Library can easily create and offer different package for library members and visitors as per their requirements.

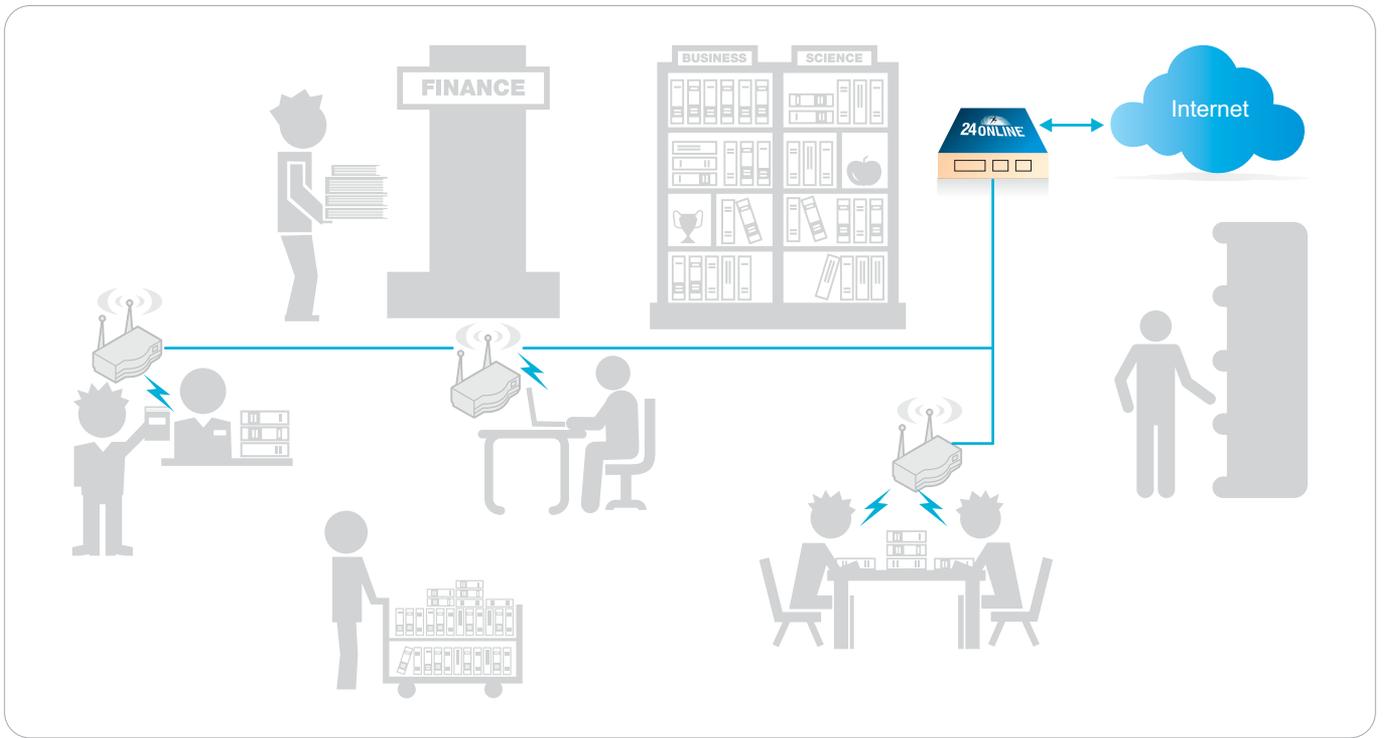
**Walk-in Coupons Management:** 24online solution enables the library admin to directly offer wireless internet access using walk-in coupons generated for the specific package. This module eliminates the requirement of creating/registering customers account before accessing internet and the billing them according to their usage. The walk-in coupons having username and password details can be created and printed as pre-paid coupons for different packages offered and sold over at the counter. 24online PIN Management facilitates multiple voucher generation. The prepaid vouchers enable instant web-based registration and renewal for regular and walk-in customers.

**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.

**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.

**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



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### About 24online

24online is a leading internet access management and network management solution that offers wide range of internet access control and management solutions that enables ISPs, Hotels, Hotspots, Airports, Educational Institutes, Smart Cities, etc. to simplify their internet network. 24online addresses the challenges of customer acquisition, secured service provisioning, internet billing, monetization via internet services and revenue management. The solution has vast experience in catering to varied network like Wired, Wi-Fi, Cloud, VSAT and LTE. With more than a decade of experience, we offer the world class solutions in the most cost-effective way.



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