



Ashton Gate Stadium is located in Bristol in the southwest of England. It is home to both Bristol City Football Club and Bristol Rugby Club.

It is the largest venue in the region and is packed with advanced solutions to provide visitors with a winning digital experience. Key infrastructure includes:

- 52 stacked 10G switches
- 160 Wi-Fi access points serving more than 12,000 concurrent WiFi users
- 150 LED screens for announcements and advertising
- More than 15 operational sub-systems for CCTV, Point-of-Sale, etc.
- Secure and load-balanced Internet access

EVENT BOOKING AND NETWORK SERVICE PROVISIONING WITH NETOS[®]

NetOS[®] manages all layers of the network topology and technology from multiple vendors. NetOS[®] builds an abstract view of the network which can then be configured for a specific requirement.

By providing APIs (Application Programming Interfaces), the NetOS[®] controller allows the network configuration to be automated and can be driven from a user-friendly interface.

Zeetta Networks' Event Application

Ashton Gate wanted the stadium's IT infrastructure to help grow their exhibition and conference event business. To ensure that all customers received the best of the IT infrastructure, network slicing was identified as a fundamental technology enabler.

The ability to define, isolate, manage, release and renew network and infrastructure resources, on a per-event basis, is essential to customer satisfaction, as well as operational agility, scalability and security.

To meet these needs, Zeetta created the Event Application – a web-based application built on top of NetOS® that enables staff to schedule customer events, and automate the network slicing that enables dedicated IT resources for those events.

Hospitality staff use the application to specify event details, identify where in the stadium the event will take place (e.g. specific hospitality suites, concourse sections, stadium seating sections), and define a custom WiFi network for event participant devices while at the event.

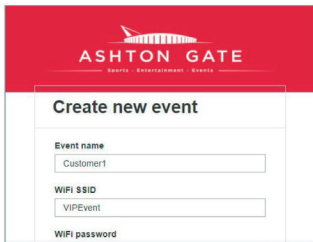
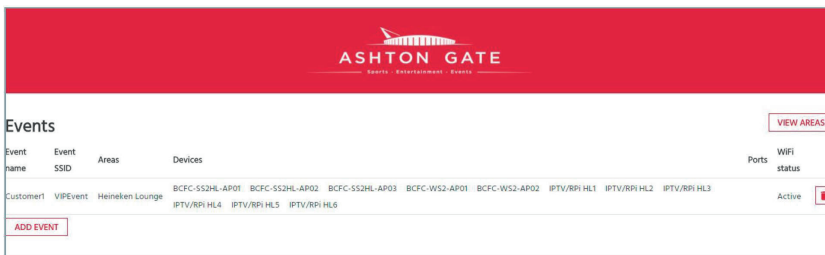


Fig 1. NetOS® Event Application Information Collection Form

Once the event is scheduled, NetOS® will – at the appropriate date and time – configure wireless access points with requested network SSIDs, program network switches VLANs, configure firewalls and gateways with appropriate policies, configure DHCP servers, allocate end-to-end bandwidth, and ensure that the required IT resources, such as IPTVs, are available.



Event name	Event SSID	Areas	Devices	Ports	WiFi status
Customer1	VIPEvent	Heineken Lounge	BCFC-SS2HL-AP01 BCFC-SS2HL-AP02 BCFC-SS2HL-AP03 BCFC-WS2-AP01 BCFC-WS2-AP02 IPTV/RRI-HL1 IPTV/RRI-HL2 IPTV/RRI-HL3 IPTV/RRI-HL4 IPTV/RRI-HL5 IPTV/RRI-HL6		Active

Fig 2. NetOS® Event Application Inventory Review Screen

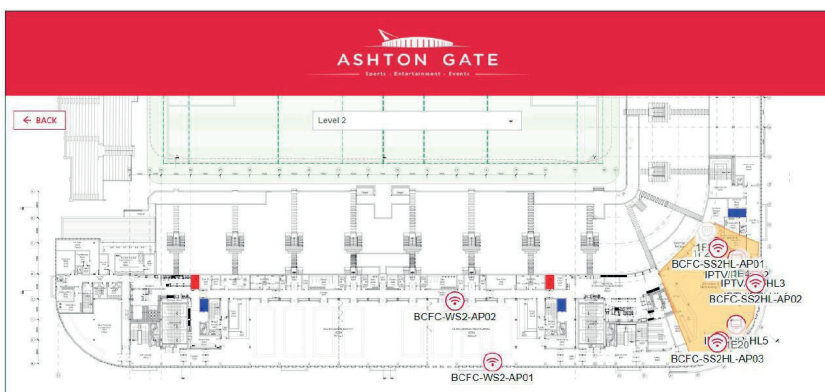


Fig 3. NetOS® Event Application View Showing Event Devices

As a further example of application integration, the Event Application can use the third-party Hawkeye™ application to verify the network configuration and validate that the network slice meets event requirements.



Zeetta NETWORKS

For further information, please see www.zeetta.com or email us at info@zeetta.com.

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