

Guest BYOD Wireless Access Configuration

Goal: Build a functional guest wireless environment using Ruckus ZoneDirector, including guest access services, a guest WLAN, a generated guest pass, and a successful client connection.

What This Lab Demonstrates

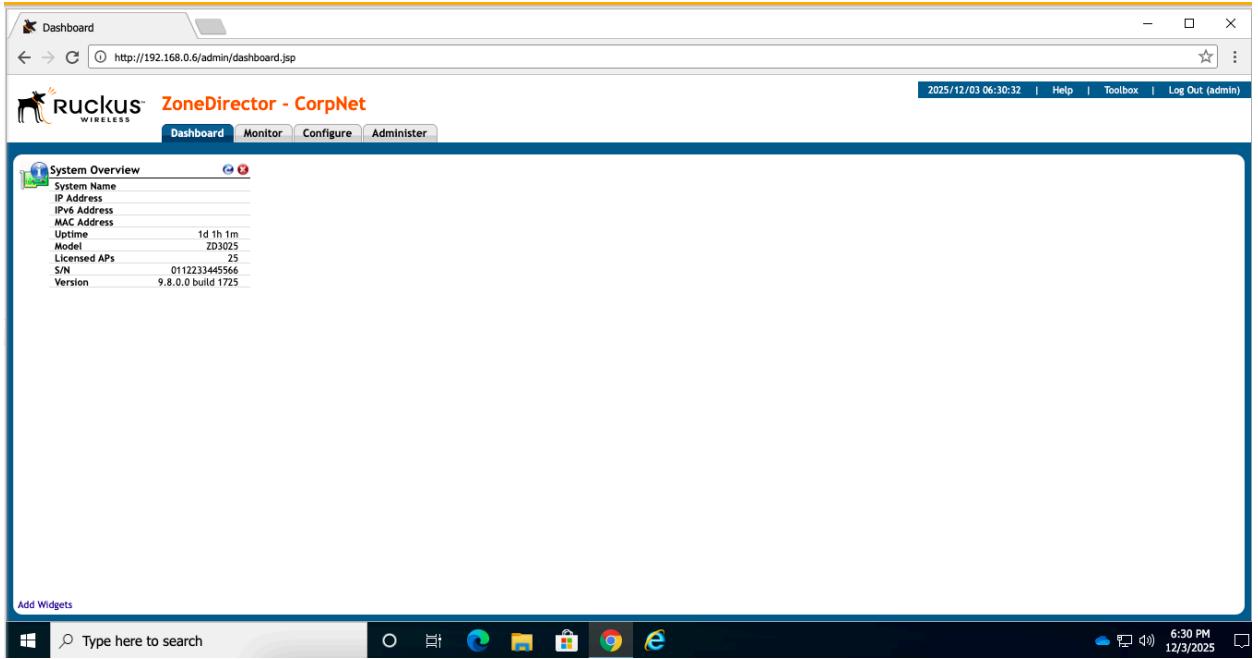
You're showing hiring managers that you understand how real guest networks operate in the enterprise: creating a controlled, isolated guest-access environment, building a WLAN backed by a guest access service, generating and managing temporary guest pass credentials, validating authentication through a captive portal, and following best practices for wireless client isolation.

Configuration Summary

1. ZoneDirector Access & Authentication

Connected to the Ruckus ZoneDirector management interface via browser using the controller's direct IP address.

Authenticated with admin credentials to access configuration menus.



2. Guest Access Service Creation

Built a dedicated Guest Access Service used for managing temporary guest authentication.

Key actions:

- Named the service **Guest_BYOD**
- Enabled Terms of Use
- Confirmed restricted subnet access (192.168.0.0/16)
- Applied the configuration

The screenshot shows the Ruckus ZoneDirector - CorpNet web interface. The left sidebar has a blue navigation bar with various options like System, WLANs, Access Points, etc. The main content area is titled 'Guest Access Service' and shows a table with one row for 'Guest_BYOD'. The table columns are Name, Onboardir, Authentic. Redirection, and Actions. The 'Name' column shows 'Guest_BYOD'. The 'Actions' column contains links for 'Edit' and 'Clone'. Below the table, there's a form titled 'Editing (Guest_BYOD)'. It has four sections: 'Name*' (set to 'Guest_BYOD'), 'Onboarding Portal' (checkbox 'Enable Zero-IT device registration from the Guest Portal' is checked, with 'Guest Pass + Device Registration' selected), 'Authentication' (radio button 'Use guest pass authentication' is selected), and 'Terms of Use' (checkbox 'Show terms of use' is checked, showing a detailed legal text). At the bottom is a 'Redirection' section with a checkbox 'Redirect to the URL that the user intends to visit.'

3. Guest WLAN Setup

Created a wireless network that integrates directly with the Guest Access Service.

Configured:

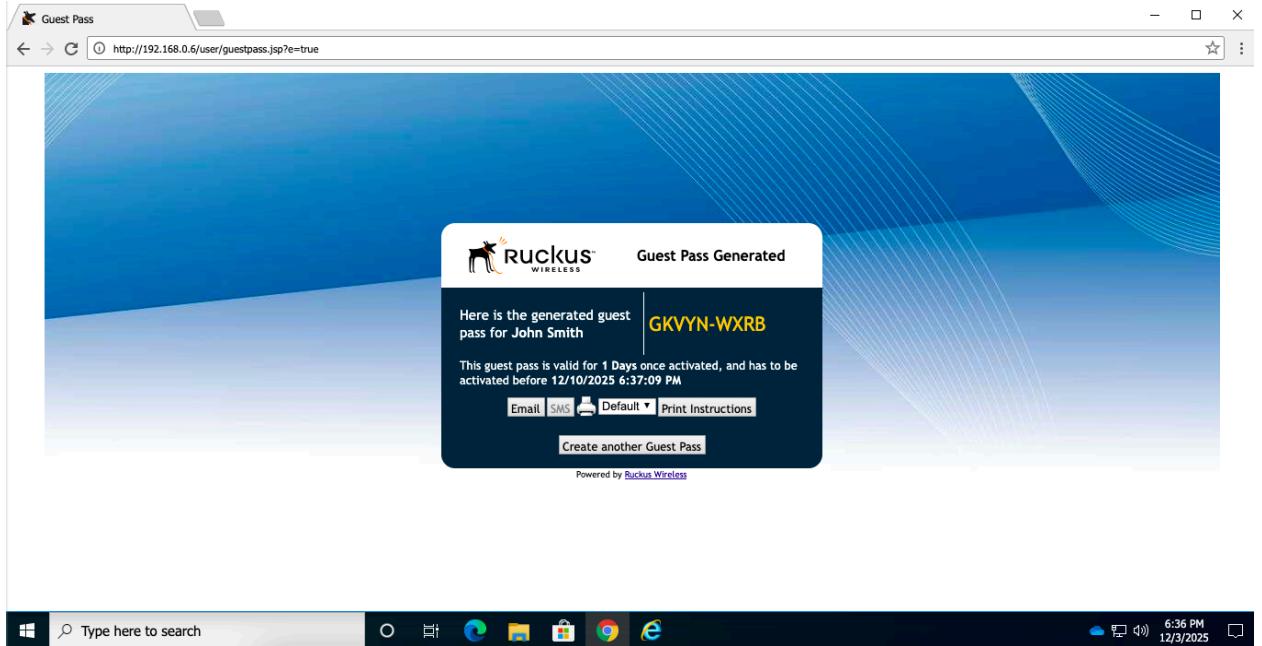
- WLAN Name: **Guest**
- ESSID: **Guest_BYOD**
- Type: *Guest Access*
- Enabled wireless client isolation to prevent guest-to-guest communication

4. Guest Pass Generation

Accessed the ZoneDirector's guest pass portal and issued a single-use key for a visitor.
Included:

- Admin portal login

- Full name entry
- Guest pass key creation



5. Client Connection & Validation

Using the guest laptop (Gst-Lap), completed the full access flow:

- Selected the **Guest_BYOD** SSID
- Connected to the wireless network
- Encountered the captive portal automatically
- Entered the generated guest key
- Successfully authenticated and accessed the web

Security Value

This configuration provides secure guest Wi-Fi access while protecting internal systems through temporary credentials, client isolation, subnet restrictions, and proper traffic segregation.