## ISE Guest portal with optional AD login for BYOD

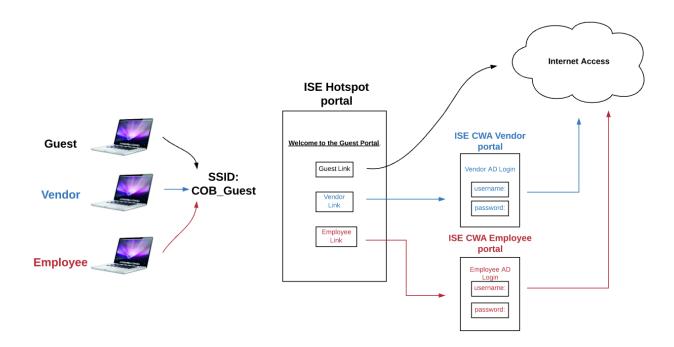
This document details how to modify a standard hotspot guest wireless portal (hosted via ISE) to include and allow differentiated access for internal employees and vendors (BYOD scenario) as follows:

Guests – access for one day Vendors – access for 1 week Employees – access for 1 month

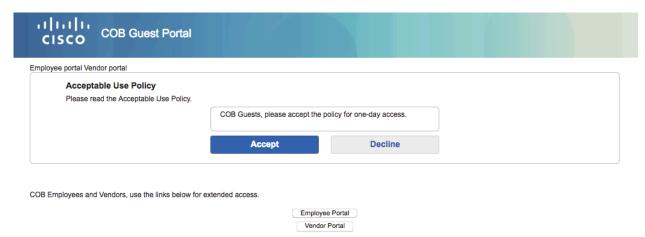
The initial guest hotspot page should include and AUP and "accept" link that allows guest direct access to the internet. The page also has links for Vendors and Employees that take them to separate CWA portals where they can login with AD credentials, with the benefit of extended access as described above.

Devices are registered in individual Endpoint Identity Groups (IG) with associated purge policies.

There are 3 portals created for this configuration. The overall flow is illustrated below.



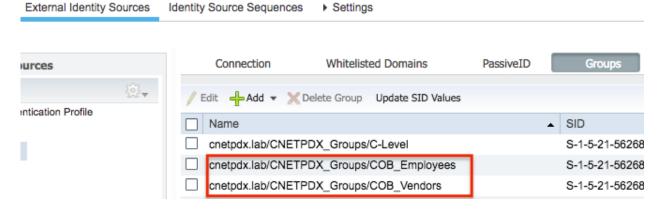
The initial Guest portal is a hotspot portal. Custom code is added to the "Optional Content 1" box located under the Guest Portals/your Guest portal/Portal Page Customization configuration section. This code captures the device session ID to maintain the vendor and employee sessions through the additional portal links, see in the image below as Employee Portal and Vendor Portal.



The Employee and Vendor CWA portals are not tied to Authorization policies and resulting conditions. They are needed as portals for the vendor and employee AD groups to login through, however. The portal login process authenticates them and adds their device MAC to the corresponding IG.

# **Groups, Containers and Settings**

First, create/determine the AD groups you'll reference for Employees and Vendors. Add them to ISE as you would any AD group.



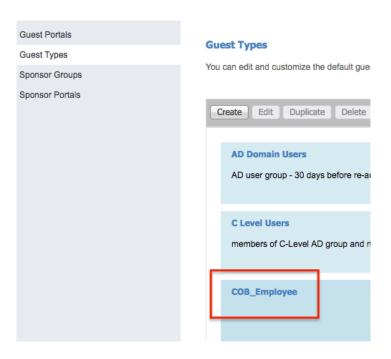
Next, create two new IGs in ISE for Vendors and Employees. We'll assign these IGs to each portal respectively.



Create an Identity Source Sequence to lookup AD logins against. We'll select this for the two CWA portals.



Create Vendor and Employee guest types and select the IGs under Login Options you created above for each, and any other options you need. Below is an example from the Employee guest type.



#### **Login Options**



### **Portals**

Create two CWA portals, one each for Employees and Vendors then use the test URL feature to grab the URLs. Below is the Employee portal, for example.



Copy the URL from each portal (vendor and employee) as indicated in the image above and paste into the code like so:

```
Employee portal
<script>
jQuery(window).ready(function() {
var hostname = window.location.hostname;
var WebSessionId =
window.location.href.substr(window.location.href.search("\\?")).split("=")[2];
¡Query('.cisco-ise-body').append(' <center><a
href="https://172.28.77.23:8443/portal/PortalSetup.action?portal=8999e6f2-5566-11e8-afc4-
005056bfdf7a&sessionId='+WebSessionId+'&action=cwa" style="color: rgb(0,255,0)"><font
color="212121"><button type="submit">Employee Portal</button></font></a></center>');
});
</script>
Vendor portal
<script>
jQuery(window).ready(function() {
var hostname = window.location.hostname;
var WebSessionId =
window.location.href.substr(window.location.href.search("\\?")).split("=")[2];
```

```
jQuery('.cisco-ise-body').append(' <center><a
href="https://172.28.77.23:8443/portal/PortalSetup.action?portal=180f2352-53c8-11e8-afc4-
005056bfdf7a&sessionId='+WebSessionId+'&action=cwa" style="color: rgb(0,255,0)"><font
color="212121"><button type="submit">Vendor Portal</button></font></a></center>');
});
</script>
```

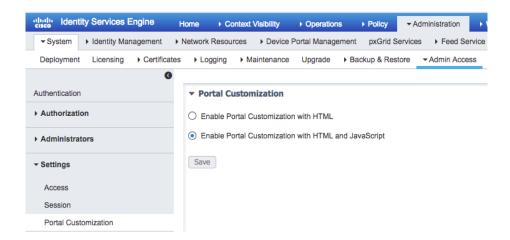
Do not include the underlined Employee Portal and Vendor Portal text as seen above. That is only to describe what you see in the code examples.

Keep this in a text file for use on the guest portal later. Each of these code samples above will create the link buttons on the guest hotspot portal, which we'll do shortly.

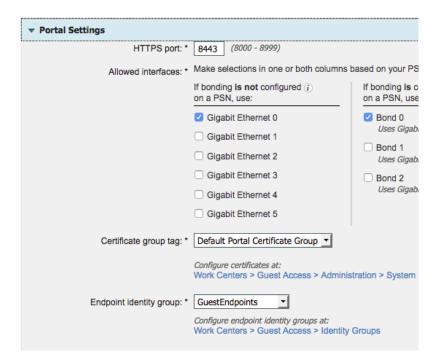
Within each of the vendor and employee portals, select the ISS we created for AD lookup, the matching guest type and automatic device registration.



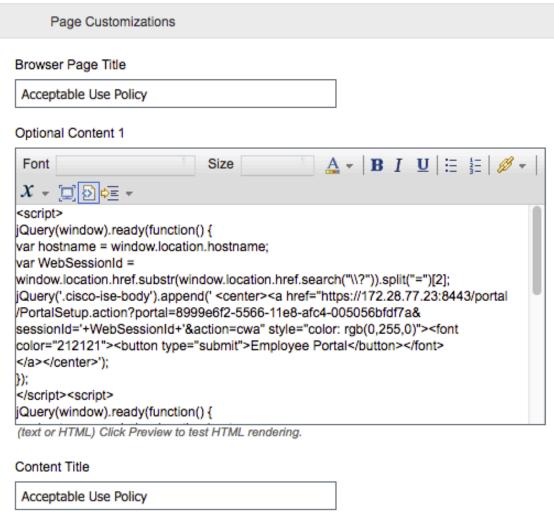
Enable portal customization under Administration/System/Admin Access/Portal Customization/Enable Portal Customization with HTML and JavaScript



Now we can build a hotspot portal for Guests. Here we're using the built-in GuestEndpoints IG.



To create the link buttons on the guest portal, go to the Portal Page Customization view of your guest portal. Tick the "toggle HTML source" button, paste in the code from your text file, then tick the button again to apply it.



Instructional Text

Save and then use the portal test URL at the top to view and test the buttons you just created. If it works it will look like the example image on page 2 of this document and each button will take you to the right portal.

### **Authorization and Authentication Policies**

Below is an example of the authentication and authorization policies used.



Three Authorization policies are required.

