

Configurer ISE 2.3 Facebook Social Media pour les portails invités

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Introduction

Ce document décrit comment configurer l'intégration de Cisco Identity Services Engine (ISE) 2.3 avec les informations d'identification Facebook pour l'accès invité authentifié.

Conditions préalables

Conditions requises

Cisco vous recommande de prendre connaissance des rubriques suivantes :

- Configuration ISE (Identity Services Engine)
- Configuration de base de l'application Facebook

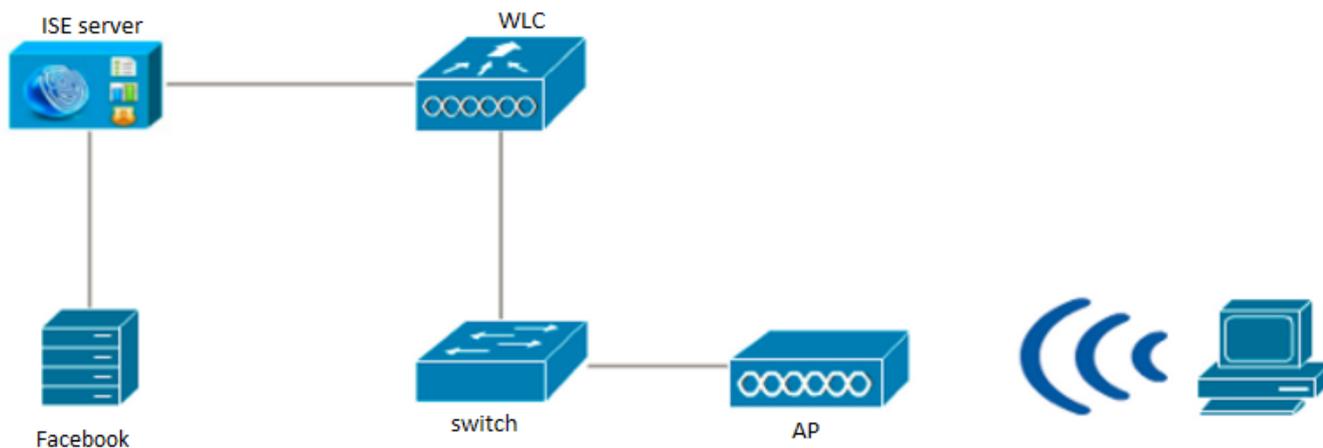
Components Used

Les informations contenues dans ce document sont basées sur les versions de matériel et de logiciel suivantes :

- Cisco ISE version 2.3
- Connexion sociale Facebook
- Contrôleur LAN sans fil Cisco (WLC) version 8.3.102.0

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Diagramme du réseau

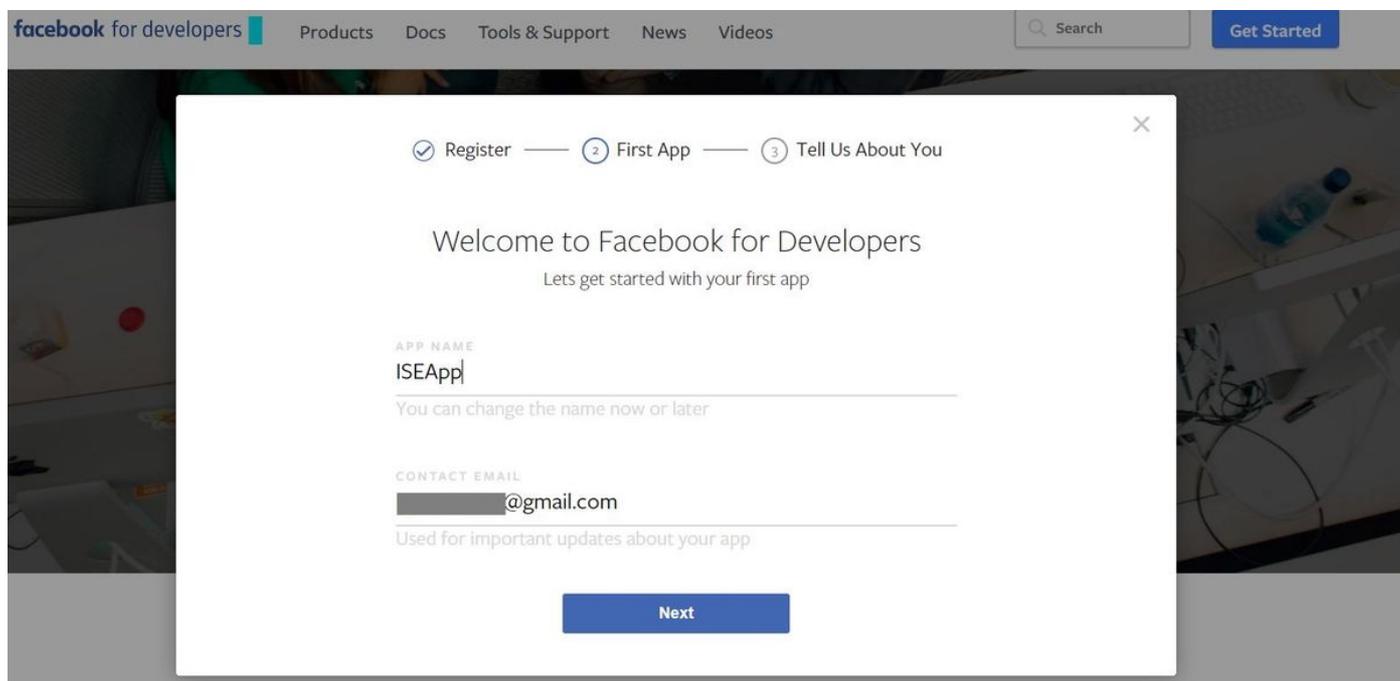


Configuration

La configuration de l'application Facebook présentée est un exemple et non une configuration recommandée par Cisco.

1. Configurer l'application Facebook

Accédez à <https://developers.facebook.com> et enregistrez la nouvelle application.



Le tableau de bord de l'application affiche l'**ID d'application** et la clé **App Secret**, qui seront utilisés sur ISE pour créer la connexion sociale externe.

← → ↻ Secure | https://developers.facebook.com/apps/62096[redacted]/dashboard/

ISEApp APP ID: 62096[redacted] View Analytics Tools & Support Docs

Dashboard

Click to see analytics for this app. ✕

Dashboard

 ISEApp o
This app is in development mode and can only be used by app admins, developers and testers [?]

API Version [?] App ID
v2.10 62096[redacted]

App Secret
..... Show

 Get Started with the Facebook SDK

Use our quick start guides to set up the Facebook SDK for your iOS or Android app, Facebook Web Game or website.

Choose Platform

Rendre l'application créée publique.

← → ↻ Secure | https://developers.facebook.com/apps/62096[redacted]/review-status/

ISEApp APP ID: 62096[redacted] View Analytics Tools & Support Docs

Dashboard

Settings

Roles

Alerts

App Review

PRODUCTS
+ Add Product

Make ISEApp public?

Yes No Your app is currently **live** and available to the public.

Submit Items for Approval

Some Facebook integrations require approval before public usage. Before submitting your app for review, please consult our [Platform Policy and Review Guidelines](#).

Start a Submission

Approved Items [?]

LOGIN PERMISSIONS

2. Intégrer ISE à l'application Facebook

Utilisez les informations mentionnées ci-dessous afin d'intégrer l'application Facebook à Cisco ISE.

Accédez à **Administration > Identity Management > External Identity Sources > Social Login** et ajoutez un nouveau magasin.

External Identity Sources

- Certificate Authentication Profile
- Active Directory
 - AD
 - LDAP
 - ODBC
 - RADIUS Token
 - RSA SecurID
 - SAML Id Providers
 - Social Login

Social Login > New

Social Login

Name * FacebookApp

Description

Type * Facebook

App ID * 62096

App Secret * Show

Cancel Submit

Configure the ISE Guest portal to authorize social login.

Identity Services Engine Home Context Visibility Operations Policy Administration Work Centers License Warning

Network Access Guest Access TrustSec BYOD Profiler Posture Device Administration PassiveID

Overview Identities Identity Groups Ext Id Sources Administration Network Devices Portals & Components Manage Accounts Policy Elements Policy Sets Reports Custom Portal Files

Guest Portals

Guest Types Sponsor Groups Sponsor Portals

Portals Settings and Customization

Portal Name: * Self-Registered Guest Portal (default) Description: Guests are allowed to create their own accounts and access the network us Portal test URL

Save Close

Language File

Portal Behavior and Flow Settings

Use these settings to specify the guest experience for this portal.

Portal Page Customization

Customize portal pages by applying a theme and specifying field names and messages displayed to users.

Portal & Page Settings

Guest Flow (Based on settings)

Portal Settings

Login Page Settings

Require an access code:

Maximum failed login attempts before rate limiting: (1 - 999)

Time between login attempts when rate limiting: minutes (1 - 3000)

Include an AUP as link

Require acceptance

Allow guests to create their own accounts

Allow social login

- +

Show Registration form after social login (i)

Allow guests to change password after login (i)

Allow the following identity-provider guest portal to be used for login (i)

There are no guest portals configured to use a SAML Id Provider as the Authentication Method.

Registration Form Settings

Assign to guest type:

Configure guest types at:
Work Centers > Guest Access > Configure > Guest Types

Account valid for: Days Maximum: 5 DAYS

Require a registration code:

Fields to include	Required
<input checked="" type="checkbox"/> User name (i)	<input type="checkbox"/>
<input checked="" type="checkbox"/> First name	<input type="checkbox"/>
<input checked="" type="checkbox"/> Last name	<input type="checkbox"/>
<input checked="" type="checkbox"/> Email address	<input checked="" type="checkbox"/>

Après avoir configuré le portail ISE Guest pour autoriser la connexion sociale, la connexion sociale sera renseignée avec des URL et doit être ajoutée aux paramètres de l'application Facebook, **URL de redirection OAuth valides.**

The screenshot shows the Cisco Identity Services Engine (ISE) configuration interface. The top navigation bar includes 'Identity Services Engine' and various menu items like 'Home', 'Context Visibility', 'Operations', 'Policy', 'Administration', and 'Work Centers'. Below this, a breadcrumb trail shows 'System' > 'Identity Management' > 'Network Resources' > 'Device Portal Management' > 'pxGrid Services' > 'Feed Service' > 'Threat Centric NAC'. A 'Click here to' button is visible in the top right corner.

The main content area is divided into two sections. On the left, under 'External Identity Sources', a tree view shows various authentication methods, with 'Social Login' selected. On the right, the 'Social Login > FacebookApp' configuration page is displayed. The 'Social Login' section contains the following fields:

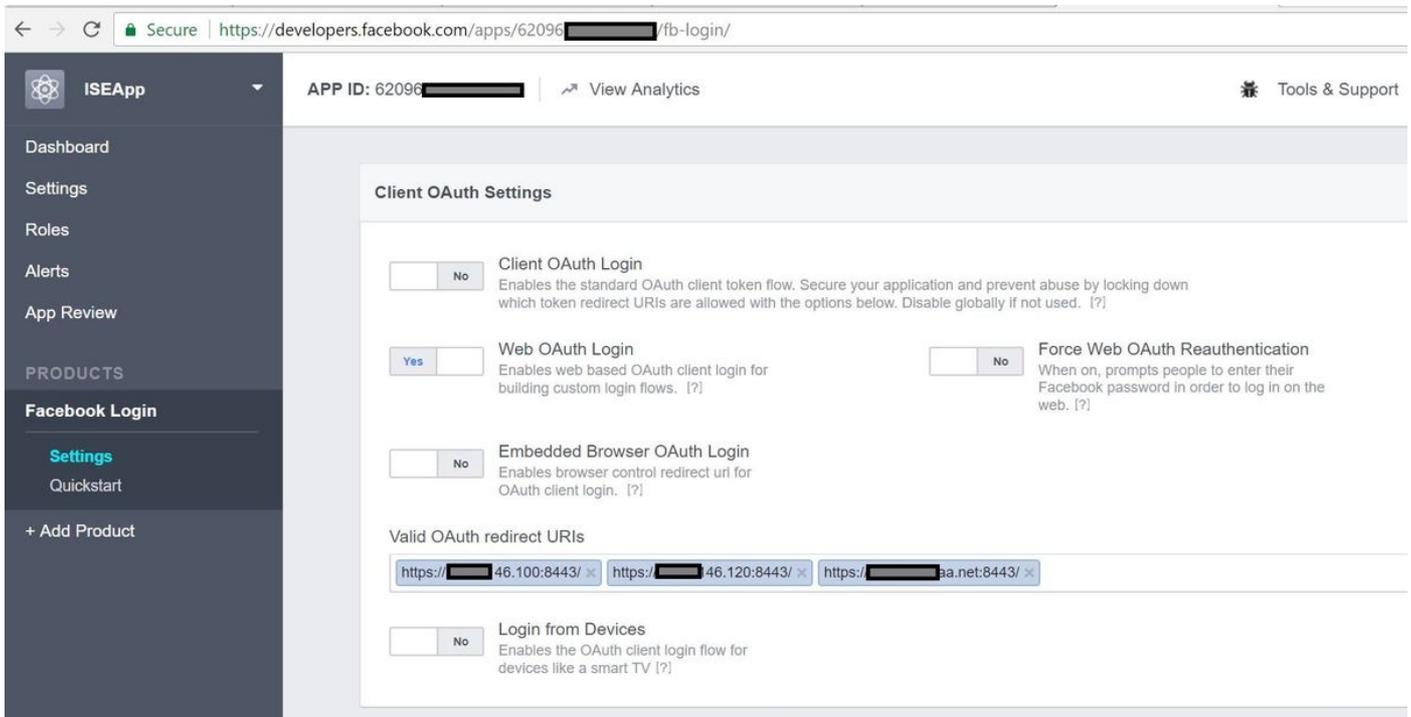
- Name: FacebookApp
- Description: (empty)
- Type: Facebook (dropdown menu)
- App ID: 62098 [redacted]
- App Secret: [redacted] (with a 'Show' button to toggle visibility)
- Buttons: 'Cancel' and 'Save'
- Portal: Self-Registered Guest Portal (default) (dropdown menu)

Below the configuration fields, there is an information icon and a note: 'Add all these automated redirect URLs to the App settings.' Below this note, a text area contains the following URLs:

```
https://[redacted]100:8443
https://[redacted]120:8443
https://[redacted]a.net:8443
```

Ajoutez la connexion Facebook à partir des produits et ajoutez des URL de redirection OAuth valides.

Les URL seront automatiquement générées sur ISE après avoir correctement lié le portail ISE avec la connexion Facebook External Social.

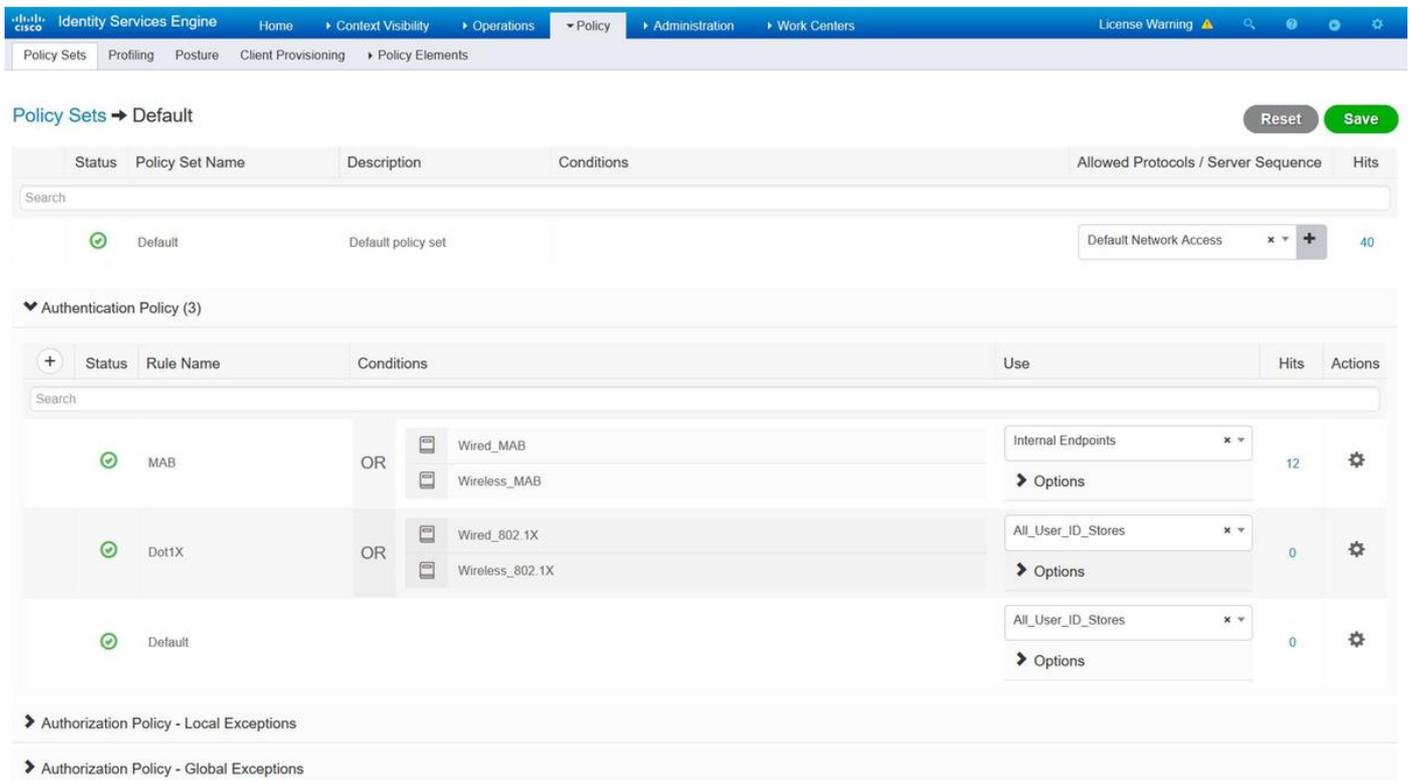


3. Configurer les stratégies d'authentification et d'autorisation

La configuration ISE suit les mêmes étapes de configuration que Guest CWA (Central Web Authentication).

(Pour connaître les étapes de configuration de ISE CWA, reportez-vous au document ci-dessous :

<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine/115732-central-web-auth-00.html>)



Identity Services Engine Home > Context Visibility > Operations > Policy > Administration > Work Centers License Warning

Policy Sets Profiling Posture Client Provisioning > Policy Elements

Search

Default

All_User_ID_Stores 0 Options

Authorization Policy - Local Exceptions

Authorization Policy - Global Exceptions

Authorization Policy (12)

Status	Rule Name	Conditions	Profiles	Security Groups	Hits	Actions
Wi-Fi_Guest_Access	AND	Guest_Flow Wireless_MAB	PermitAccess	Guests	5	
Wi-Fi_Redirect_to_Guest_Login		Wireless_MAB	Cisco_WebAuth_Wireless	Select from list	12	

Assurez-vous que la plage d'adresses IP Facebook (31.13.0.0/16) est exclue de la liste de contrôle d'accès de redirection WLC

MONITOR WLANs CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK Save Configuration Ping

Security

AAA
General
RADIUS
Authentication
Accounting
Fallback
DNS
Downloaded AVP
TACACS+
LDAP
Local Net Users
MAC Filtering
Disabled Clients
User Login Policies
AP Policies
Password Policies
Local EAP
Advanced EAP
Priority Order
Certificate
Access Control Lists
Access Control Lists
CPU Access Control Lists
FlexConnect ACLs
Layer2 ACLs
Wireless Protection Policies
Web Auth
TrustSec SXP
Local Policies
Advanced

Access Control Lists > Edit

General

Access List Name Redirect-ACL

Deny Counters 0

Seq	Action	Source IP/Mask	Destination IP/Mask	Protocol	Source Port	Dest Port	DSCP	Direction	Number of Hits
1	Permit	0.0.0.0 / 0.0.0.0	0.0.0.0 / 0.0.0.0	UDP	Any	Any	Any	Any	2391
2	Permit	0.0.0.0 / 0.0.0.0	0.0.0.0 / 0.0.0.0	ICMP	Any	Any	Any	Any	161
3	Permit	0.0.0.0 / 0.0.0.0	0.0.0.0 / 255.255.0.0	Any	Any	Any	Any	Any	1360
4	Permit	0.0.0.0 / 255.255.0.0	0.0.0.0 / 0.0.0.0	Any	Any	Any	Any	Any	1884
5	Permit	0.0.0.0 / 0.0.0.0	31.13.0.0 / 255.255.0.0	Any	Any	Any	Any	Any	708
6	Permit	31.13.0.0 / 255.255.0.0	0.0.0.0 / 0.0.0.0	Any	Any	Any	Any	Any	844
7	Deny	0.0.0.0 / 0.0.0.0	0.0.0.0 / 0.0.0.0	Any	Any	Any	Any	Any	7424

Vérification

Une fois l'utilisateur invité redirigé, l'option Se connecter avec Facebook leur est présentée.



Welcome

Welcome to the Guest Portal. Sign on with the username and password provided to you.

Username:

Password:

[Please read the terms and conditions.](#)

I agree to the terms and conditions

Sign On

OR

Log in With Facebook

[Don't have an account?](#)

Ce bouton tire parti de l'application nouvellement créée et redirige vers la page de connexion facebook où l'utilisateur saisira ses informations d'identification facebook.

facebook [Sign Up](#)

Log into Facebook

Log In

or

[Create New Account](#)

[Forgot account?](#)

[Not now](#)

Après une authentification réussie, l'utilisateur invité redirige vers le portail ISE.

Welcome Message

Click **Continue** to connect to the network.
You're very close to gaining network access.

Continue

Journaux en direct ISE Radius :

Identity Services Engine | Home | Context Visibility | Operations | Policy | Administration | Work Centers | License Warning

RADIUS | Threat-Centric NAC Live Logs | TACACS | Troubleshoot | Adaptive Network Control | Reports

Live Logs | Live Sessions

Misconfigured Supplicants **0**

Misconfigured Network Devices **0**

RADIUS Drops **0**

Client Stopped Responding **0**

Repeat Counter **0**

Refresh Every 1 minute Show Latest 100 records Within Last 24 hours

Refresh Reset Repeat Counts Export To Filter

Time	Status	Details	Repeat ...	Identity	Endpoint ID	Posture St...	Endpoint Profile	Authenticat...	Authorization Policy
Aug 21, 2017 10:04:06.404 AM			0	Ulugbek Yusubaliev	E4.A4.71.85.FB.6A		Windows10-Workstation	Default	Default >> Wi-Fi_GuestT_Ac
Aug 21, 2017 10:04:06.397 AM				Ulugbek Yusubaliev	E4.A4.71.85.FB.6A		Windows10-Workstation	Default	Default >> Wi-Fi_GuestT_Ac
Aug 21, 2017 10:04:06.385 AM					E4.A4.71.85.FB.6A				
Aug 21, 2017 10:04:05.766 AM				Ulugbek Yusubaliev	E4.A4.71.85.FB.6A				
Aug 21, 2017 10:01:07.080 AM				E4.A4.71.85.FB.6A	E4.A4.71.85.FB.6A		Intel-Device	Default >> M...	Default >> Wi-Fi_Redirect_
Aug 21, 2017 09:59:59.321 AM				E4.A4.71.85.FB.6A	E4.A4.71.85.FB.6A		Intel-Device	Default >> M...	Default >> Wi-Fi_Redirect_
Aug 21, 2017 09:59:59.302 AM					E4.A4.71.85.FB.6A				
Aug 21, 2017 09:59:49.261 AM				E4.A4.71.85.FB.6A	E4.A4.71.85.FB.6A			Default >> M...	Default >> Wi-Fi_Redirect_

Overview

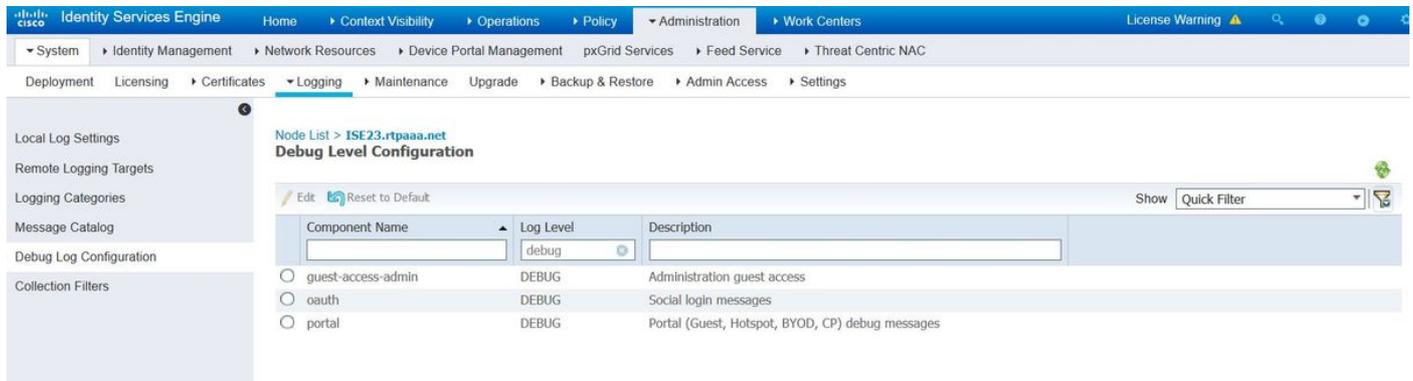
Event	5236 Authorize-Only succeeded
Username	Ulugbek Yusubaliev
Endpoint Id	E4:A4:71:85:FB:6A ⓘ
Endpoint Profile	Windows10-Workstation
Authentication Policy	Default
Authorization Policy	Default >> Wi-Fi_Guest_Access
Authorization Result	Guests_PermitAccess

Authentication Details

Source Timestamp	2017-08-21 10:04:06.395
Received Timestamp	2017-08-21 10:04:06.397
Policy Server	ISE23
Event	5236 Authorize-Only succeeded
Username	Ulugbek Yusubaliev
User Type	GuestUser
Endpoint Id	E4:A4:71:85:FB:6A
Calling Station Id	e4-a4-71-85-fb-6a
Endpoint Profile	Windows10-Workstation
Authentication Identity Store	<u>FacebookApp</u>
Identity Group	GuestEndpoints
Audit Session Id	0e249a0500000007599af5b2
Authentication Method	Authorize Only
Service Type	Authorize Only
Network Device	WLC

Débogues sur ISE

Afin d'activer les débogages sur ISE, accédez à **Administration > System > Logging > Debug Log Configuration**, sélectionnez le noeud PSN et modifiez le niveau de journal des composants suivants en **DEBUG** :



The screenshot shows the Cisco Identity Services Engine (ISE) web interface. The navigation path is Administration > System > Logging > Debug Log Configuration. The page title is "Node List > ISE23.rtpaaa.net Debug Level Configuration". There are buttons for "Edit" and "Reset to Default". A "Show" dropdown menu is set to "Quick Filter". The main content is a table with the following data:

Component Name	Log Level	Description
<input type="radio"/> guest-access-admin	DEBUG	Administration guest access
<input type="radio"/> oauth	DEBUG	Social login messages
<input type="radio"/> portal	DEBUG	Portal (Guest, Hotspot, BYOD, CP) debug messages

Journaux à vérifier - ise-psc.log et guest.log. Vous pouvez les extraire directement à partir de l'interface de ligne de commande de ISE :

```
ise23-1/admin# show logging application ise-psc.log tail
```

Lors de la connexion à l'application Facebook, ISE affiche l'erreur de délai d'expiration de la connexion :

```
2017-08-21 08:28:18,003 DEBUG [admin-http-pool22][] com.cisco.cpm.oauth.OAuthClient -:::- Got error while checking OAuth settings for AppId: [123456789] and secret key: ****
2017-08-21 08:28:18,003 ERROR [admin-http-pool22][]
admin.restui.features.social.SocialLoginUIApi -:::- ERROR
connect timed out
```

Assurez-vous que le noeud ISE dispose d'une connexion Internet directe.

Utilisation du proxy adressé sur le bogue [CSCve87511](#) « Prise en charge de la connexion sociale avec le serveur proxy »