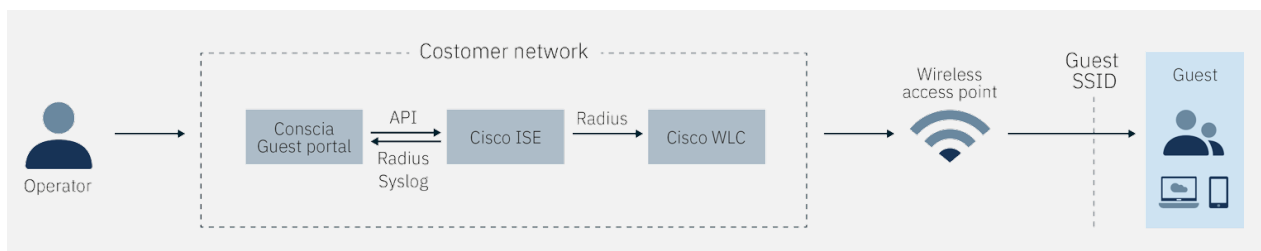# Conscia Guest Portal

Secure guest access

Ever since BYOD took effect, people expect to have internet access on their devices. Thus companies are faced with the challenge of providing network access for their visiting guests.

**Do you need internal IT
to create a guest account?**
Perhaps the front desk can help set up the account, but how do you ensure that the account is properly managed after the guest has left the building? And could the guest sit all evening in the parking lot and download questionable material with the account created?

With the Conscia Guest Portal, we take advantage of the existing Cisco ISE security policy infrastructure to let guests who need Internet only access log in with NemID, SMS password key, or their Social Media accounts. You avoid having to spend time creating, managing, or deleting guest accounts in the network. The guest portal is thus the easy, secure alternative to manually creating guest access on the network.

Freedom of choice with modules

1 **Base module**

2 **SMS module**

3 **NemID module**

The guest portal is modular, thus ensures that you only get the requested functionality while paying only for the module or modules relevant to you.

The guest portal consists of the following modules:

1 Base module

The basic module of the Guest Portal is a configurable and mobile-friendly guest portal. We've chosen a responsive design that scales itself to mobile devices or different screen resolutions.

You can do it yourself
- or with the help of Conscia
- build a guest portal with the graphic look you want.The Conscia Guest Portal integrates with large social networks, such as Facebook, Google, LinkedIn, and Microsoft Live.

Provisioning via social networks
We have created an 'app' on each of these networks that uniquely identifies a Conscia Guest Portal call.

Thus, enabling our customers to, on-the-fly, generate guest accounts with information from the so-called social networks public pages and automatically log users into the network through integration with Cisco ISE

2 Messaging module

The guest receives a six-digit code on their phone via an HTTP GET-based SMS Gateway. Only after the guest has entered the correct code will a guest account be created.

3 NemID module

To create a guest account with NemID, we use the Signaturgruppen OpenID provider, which alternates a NemID log-in to a PID that can create a guest account. The account is created in the same way as with social media. Of course, the Guest Portal's NemID module works on all supported NemID platforms (Win, Linux, Mac OSX).

Highlights
- Guest access to the network, based on the guest's own NemID, SMS, or social media accounts.
- Leverages existing Cisco ISE infrastructure to ensure guest access in a secure way.
- No administration in connection with guest creation
- Modular structure – you only pay for the features you need
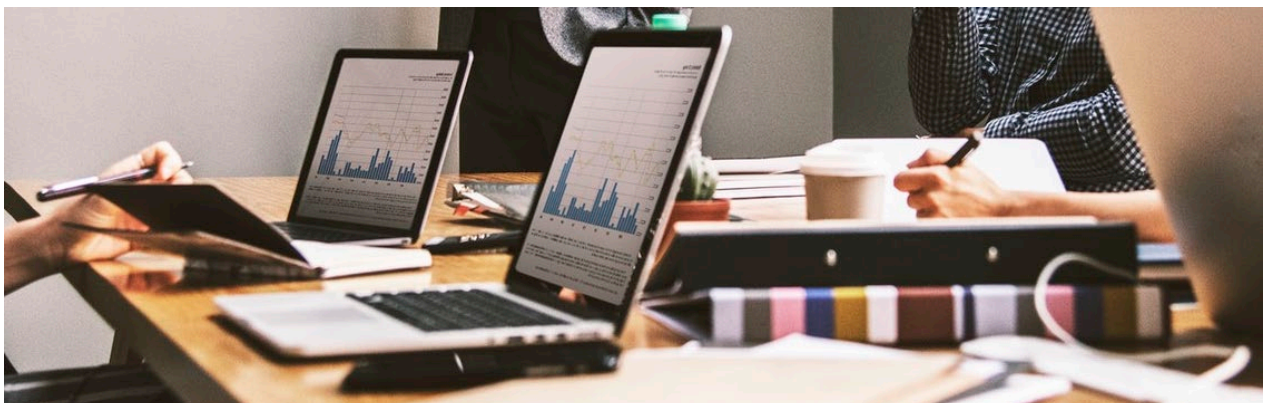
Requirements and dependencies

The Conscia Guest Portal requires the following components in the customer network:

Cisco ISE v.2.4p12 or later
• ERS API enabled

The Conscia Guest Portal app created on the social media platforms used.
• Facebook
• Google
• LinkedIn
• Microsoft Live

VMware server with at least 1vCPU, 2GB RAM and 30GB disc space.
• We will provide the OVA file for the Conscia Guest Portal application.

Wireless environment with central web authentication support.

SSL Certificate for the web-server component of the application.

ISE Configuration

The following configuration steps must be performed on the customer's ISE deployment before the Conscia Guest Portal can be used:

• Enable ERS API
• Create ISE ERS admin with proper API access permissions
• Create a Guest sponsor with proper API access permissions
• Create an Endpoint Identity group for authenticated guest MAC addresses
• Create the Conscia Guest Portal as a network device for Radius communication
• Create Authorization profile for Conscia Guest Portal administrators
• Create Authorization profile for Web redirection policy for guest authentication

Deployment options

The Conscia Guest Portal is developed as a set of application hosted on a secure Turnkey Debian server. The main functions of the application is the administrator portal for managing the Conscia Guest Portal, and the guest portal which provide the frontend web page for guest logins.

The Turnkey Debian server as well as the Conscia Guest Portal applications is delivered in a VMware OVA file, ready for installation as an appliance.

Connectivity

The administrator portal of the Conscia Guest Portal application needs the following connectivity permissions:

• TCP/443 towards all nodes in the Cisco ISE deployment
• TCP/9060 towards admin nodes (primary and secondary) in the ISE deployment
• UDP/1812 towards ISE Authentication nodes if Radius authentication are used
• TCP/8888 from administration network to Conscia Guest Portal
  – for administration connectivity and management of the application
• TCP/12321 & TCP12322 from administration network to Conscia Guest Portal
  – for Turnkey server management
• UDP/53 to either the Internet or internal DNS server
• Outgoing Internet connectivity for installation and upgrade purpose

The guest login portal of the Conscia Guest Portal application needs the following connectivity permissions:

• TCP/443, TCP/8443 for social media authentication

What is included

Conscia will implement the Conscia Guest Portal in cooperation with the customer, help set up the infrastructure to communicate with the application.

✅ **Workshop**
To create a common understanding of what is needed to be configured in the infrastructure ahead of the Conscia Guest Portal.

✅ **Installation**
Will be done by Conscia, in cooperation with you the customer, and will also include a training session of key people.

✅ **Right to Use**
The Conscia Guest Portal license gives the right to use one instance of the application in the customers infrastructure, as long as the yearly subscription fee is paid.

One instance of the Conscia Guest Portal communicates to one Cisco ISE cluster, but gives the ability to have guest access from many locations, all with identical or different guest registration web pages.

The application must only be copied for backup purpose.

The application, it's source code and documentation must not be given, sold or in any other form handed over to third party.

Subscription

The Conscia Guest Portal is bought with a yearly software subscription fee for the application. This ensures you always have access to the latest feature release of the application.

Conscia will continuously test the application with new versions of the Cisco ISE server, as new best practice recommendations for the Cisco ISE server is released. If you the customer are using a new Cisco ISE server release which is not Conscia best practice recommendation, we will also test against this release on request.

Read more on Conscia.com/Software