

Nokia WiFi mobile app features

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Last updated: April 6, 2023

The Nokia logo is positioned on the right side of the slide. It consists of the word "NOKIA" in a white, sans-serif font, centered within a large white circle. The background of the slide is a gradient from blue at the top to green at the bottom, with a large white circle on the right side that frames the logo.

NOKIA

Nokia WiFi mobile app

Great end-user experience from un-boxing to installation



Overview

- The Nokia WiFi mobile app is the primary interface for the end user to install and manage their Wi-Fi.
- Nokia has APIs for 3rd party app development on a business case basis



Top consumer ratings

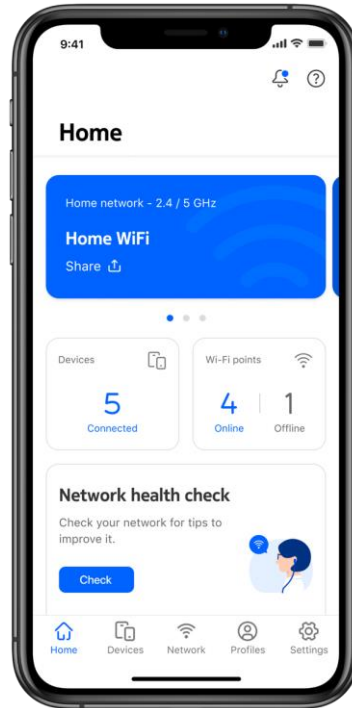


4.5 of 5.0 stars



4.6 of 5.0 stars

(As of February 10, 2023)



Features

- Easy guided installation
- Remote management*
- Gateway onboarding
- Network and device visualization
- Network configuration
- Guest network
- Parental controls
- Customizable support menu
- Two-factor authentication (optional)*
- Network health check (optional)*
- CSP Co-Branding (optional)
- White labeled app (optional - extra cost)*

* Nokia WiFi Cloud Controller (NWCC) is required.

Nokia WiFi Mobile app

Supported products

- All Nokia WiFi Beacons & Nokia WiFi Gateway 3
- ONTs
 - G-140W-C, G-140W-H
 - G-240W-G, G-240W-J
 - G-0425G-A, G-0425G-B
 - G-1425G-A, G-1425G-B
 - G-2425G-A, G-2425G-B
 - G-2426G-A, G-2426G-B
 - XS-2426G-A, XS2426G-B
 - G-2426G-A
 - HA-140W-B
- FastMile 4G Gateway 1
 - 4G07-12W-A, 4G08-12W-A
- FastMile 5G Gateways
 - Guided onboarding is supported for Gateways 3, 3.1 and 3.2
 - Family Profiles (parental control) is supported for 5G Gateways with architecture R2.0. (Gateway 5G10-24W-A and FastMile 4G Gateway 1 do not support profiles.)

Nokia WiFi Mobile app

Supported languages

- Arabic
- Chinese (simplified and traditional)
- Danish
- Dutch
- English
- Finnish
- French
- German
- Japanese
- Polish
- Portuguese
- Russian
- Spanish
- Swedish
- Thai
- Turkish
- Ukrainian

Mobile app & NWCC

NWCC is a cloud server that CSPs can opt into using

The mobile app with NWCC will have these additional features:

- Remote access
- Speed test
- Device/Wi-Fi point friendly naming
- Access to Home Console for care agents
- Nokia account creation
(email and password used for remote access)
- Device details for extender Beacons will include SW version, HW version, uptime
- Network Health Check
- Device connection notifications

Features with or without NWCC:

- Onboarding of root device and extenders
- WiFi configuration
- Device list
- Topology (network map)
- Guest network
- Family profiles (parental controls)
- RGW configuration

Feature mapping

With or without NWCC

	Without NWCC	With NWCC	
Onboarding RGW	✓	✓	(Custom dev. required for 3rd party CPEs)
Onboarding Beacon	✓	✓	
Onboarding Extenders	✓	✓	(Custom dev. required for 3rd party CPEs)
WiFi Config	✓	✓	(Custom dev. required for 3rd party CPEs)
Device List	✓ <ul style="list-style-type: none">• Only Wi-Fi devices are displayed (not Ethernet)• No friendly name	✓	
Topology	✓ <ul style="list-style-type: none">• No friendly name	✓	
Guest Network	✓	✓	(Custom dev. required for 3rd party CPEs)
Speed Test	✗	✓	
Parental Control (Basic)	✓	✓	(Custom dev. required for 3rd party CPEs)
RGW Config	✓	✓	(Custom dev. required for 3rd party CPEs)
Network Health Check	✗	✓	

Nokia WiFi app - branding and development options



Nokia branded

- The Nokia WiFi mobile can be found in the Apple App Store and Google Play store.
- Only works with Nokia Broadband Devices.
- Also available in NWCC-less deployments (it requires User Agent integration into the Nokia Broadband Device)

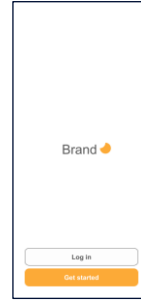


Co-branded

The same as Nokia branded with the additional points:

- Requires OPID / OUID to identify the NWCC platform
- Needs to be added to a quarterly release via Jira improvement ticket created by the mobile app PLM.

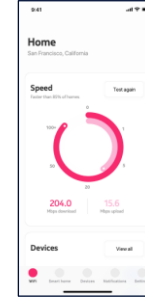
Free of Charge (MoQ of 1,000 units)



White label

- The same information architecture as the Nokia WiFi app.
- Custom splash screen, colors, fonts, etc. aligning with CSP brand guidelines.
- CSP hosted app store listings.
- OUID/OPID is not required.
- 3rd party CPEs or custom features (cost adder)

Requires NWCC and professional services, prices apply (see details in pricing slide)



CSP developed

- Nokia WiFi APIs to be shared with the CSP for their own app development or integration into their existing app, allowing for full control over the look and feel and information architecture.
- The CSP is managing the publishing in the app stores under their brand
- If new API calls are requested by the CSP, it requires BL approval
- Works with 3rd party CPEs

Requires NWCC and professional services. CSP bears the cost for development

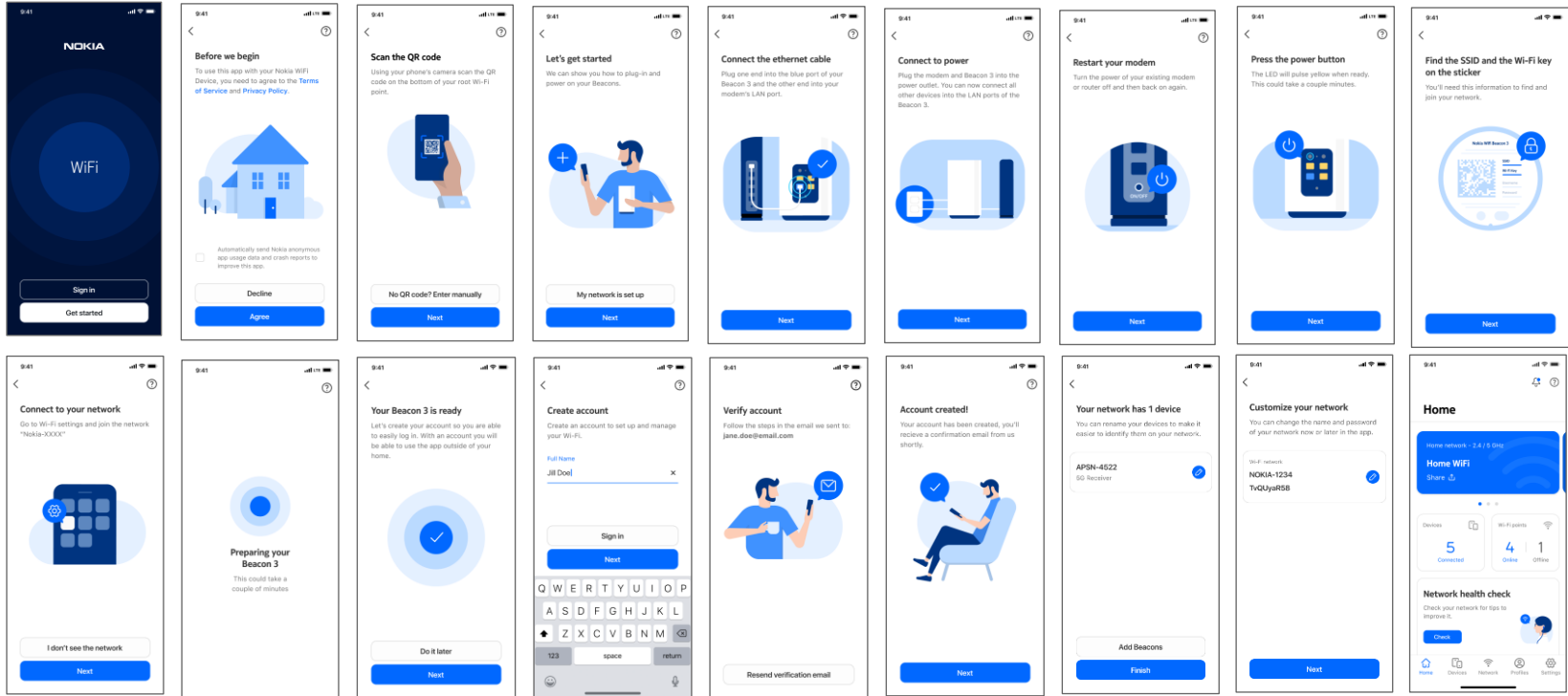
[Detailed information on branding and development options](#)

Setup / onboarding Beacons

Easy guided setup for the end user to self-install

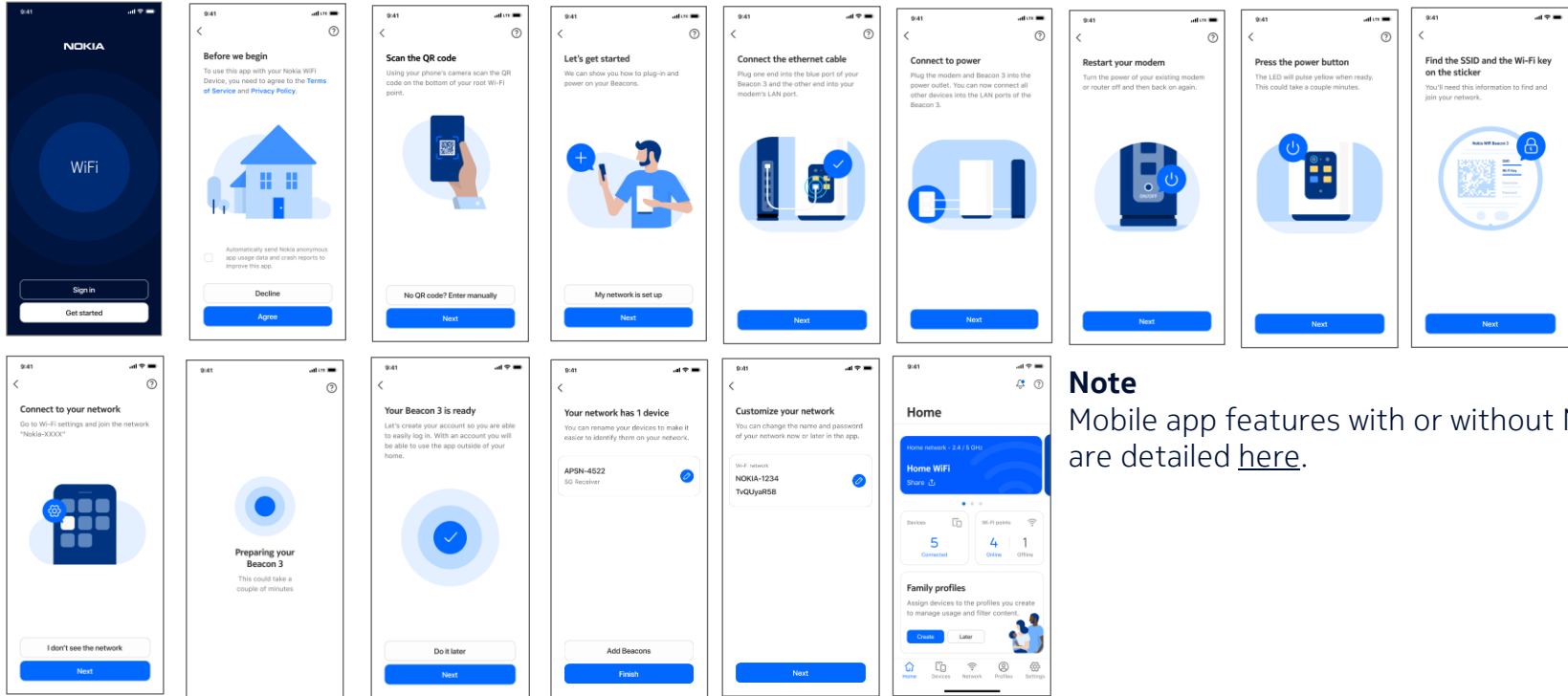
Setup / onboarding

Nokia WiFi Beacons with NWCC



Setup / onboarding

Nokia WiFi Beacons without NWCC (no account creation)

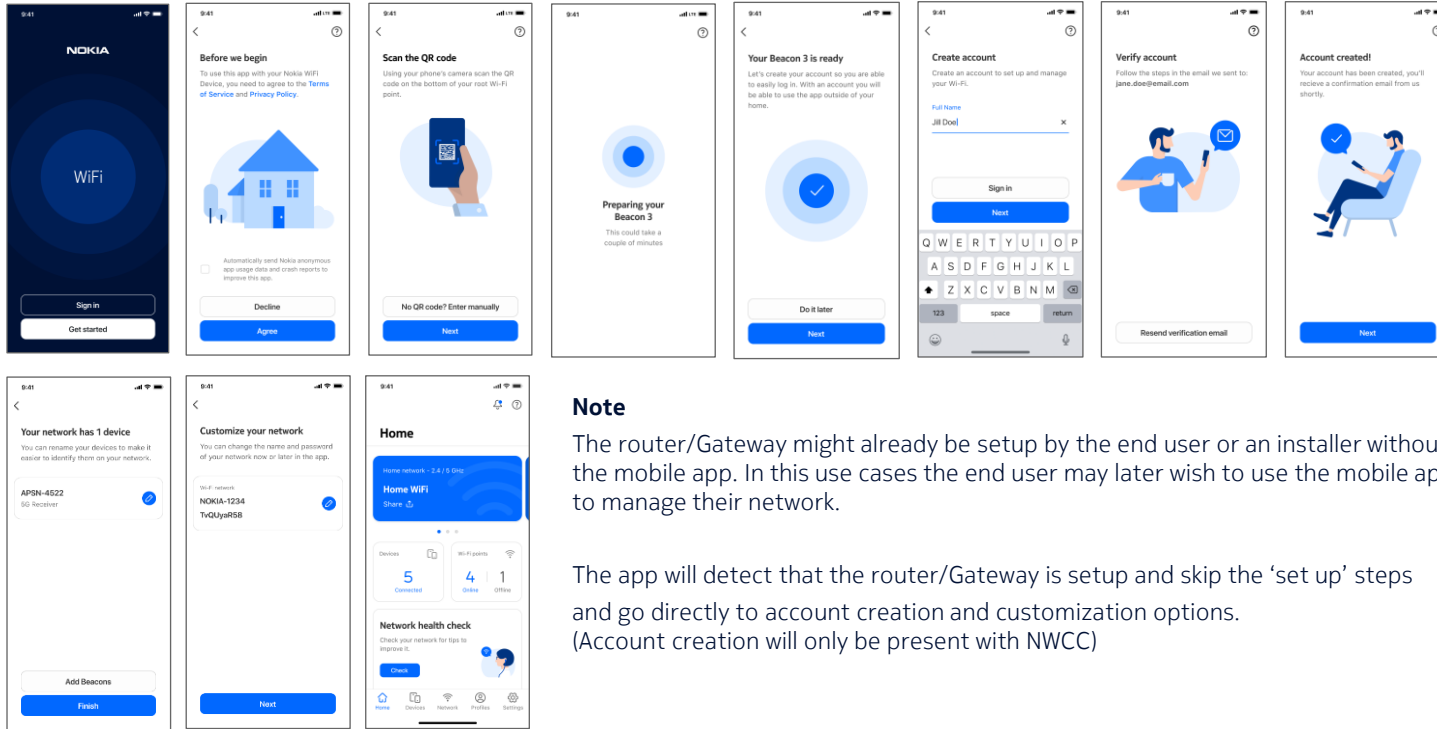


Note

Mobile app features with or without NWCC are detailed [here](#).

Setup / onboarding

Quick setup - when the root device is already connected



Note

The router/Gateway might already be setup by the end user or an installer without using the mobile app. In this use cases the end user may later wish to use the mobile app to manage their network.

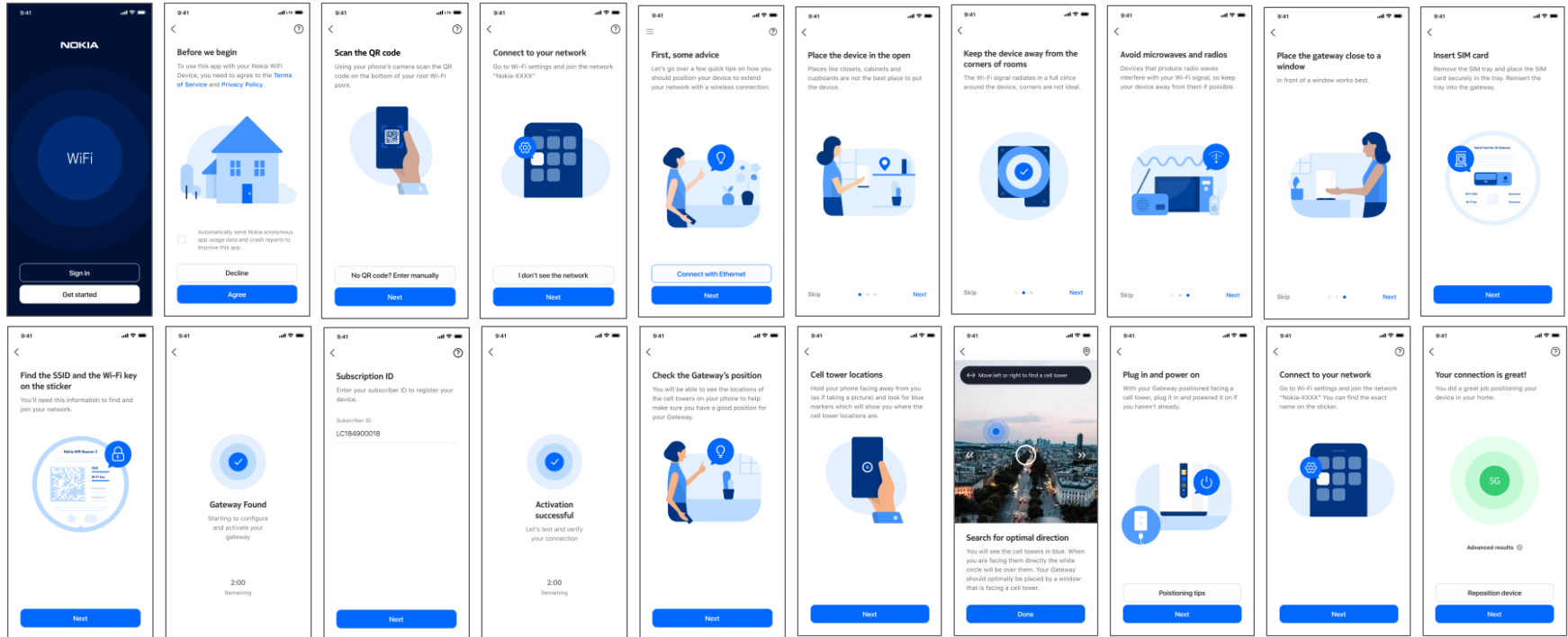
The app will detect that the router/Gateway is setup and skip the 'set up' steps and go directly to account creation and customization options. (Account creation will only be present with NWCC)

Setup / onboarding FastMile Gateways

Easy guided setup for the end user to self-install

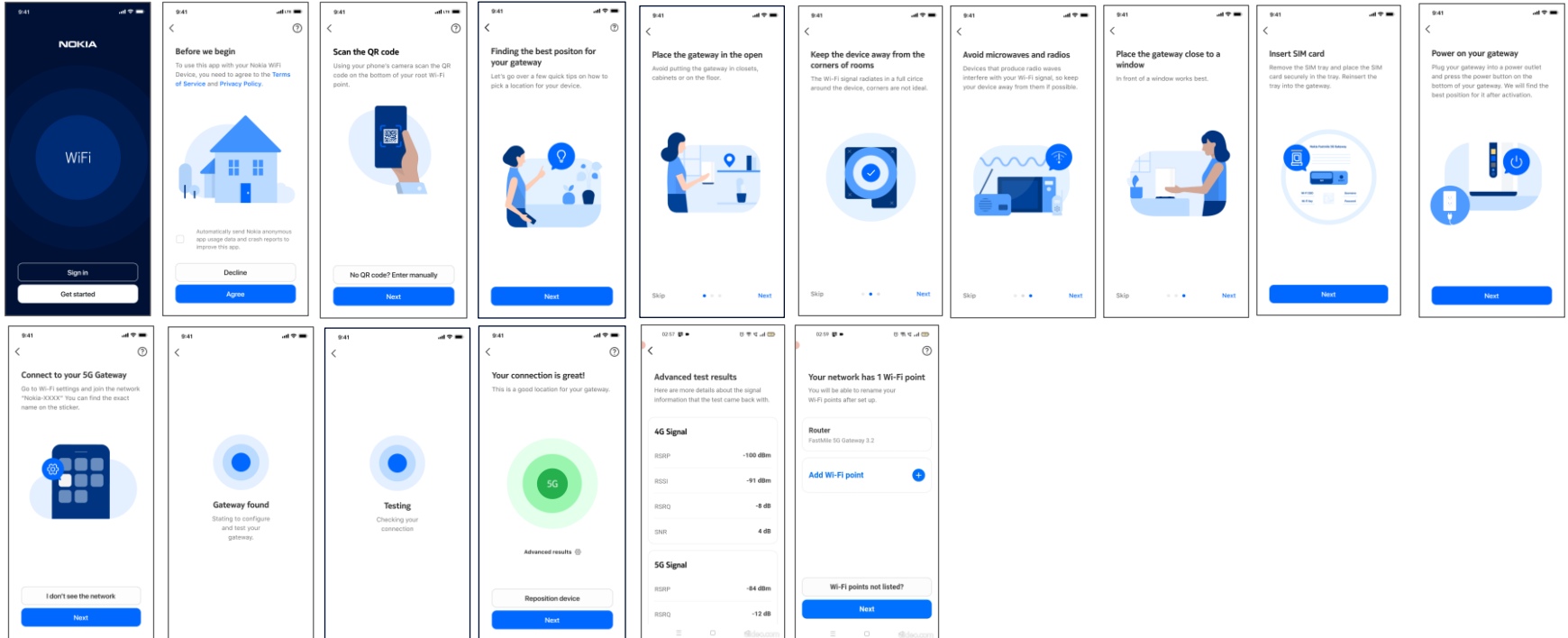
Setup / onboarding

FastMile Gateways - 5G Gateway 2.0 (with FMC)



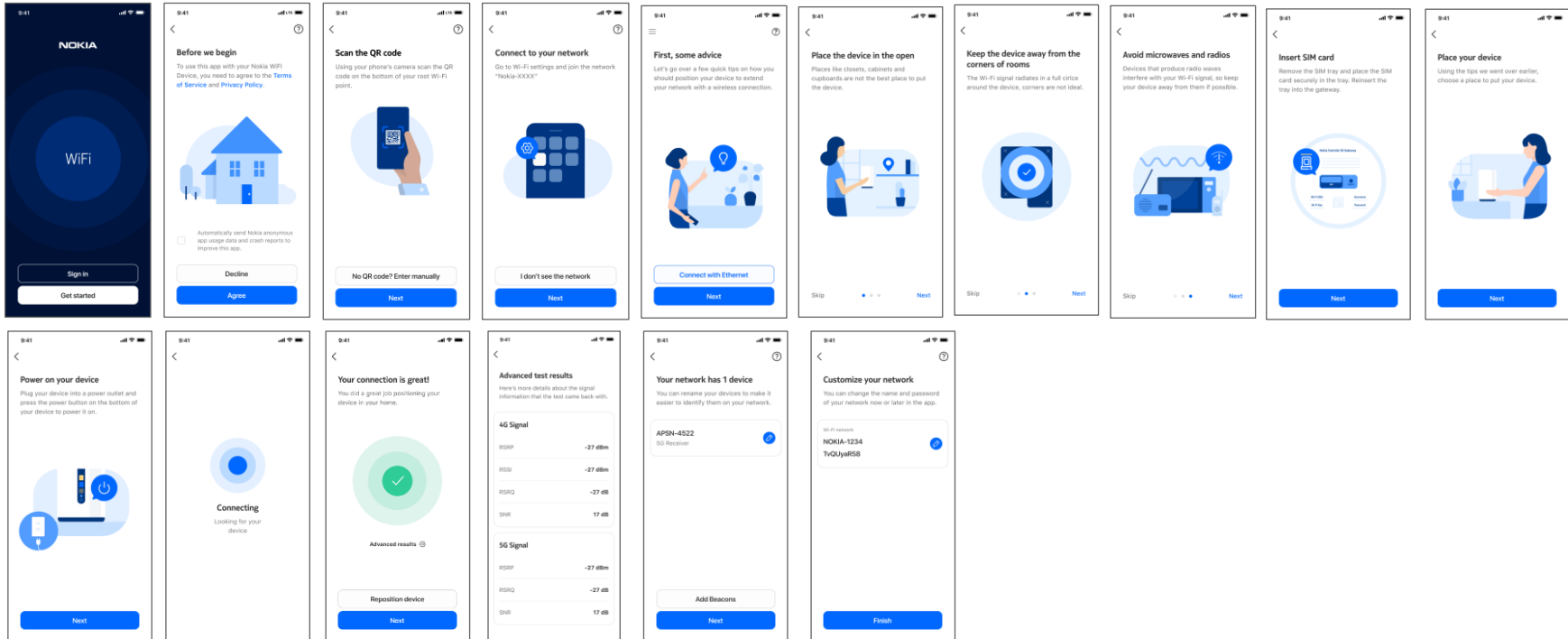
Setup / onboarding

FastMile Gateways - 5G Gateway 2.0 (without FMC)



Setup / onboarding

FastMile Gateways - 5G Gateway 1.0 & 4G Gateway



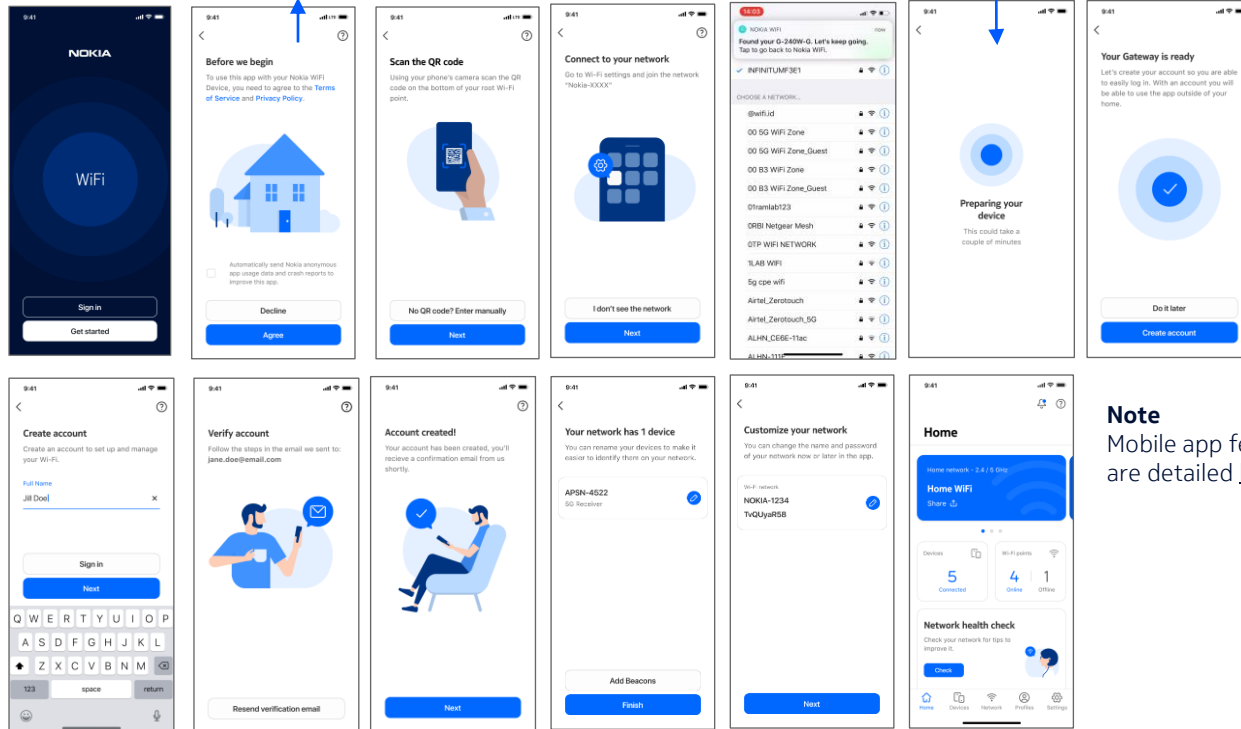
Setup / onboarding Other gateways & ONTs

Easy guided setup for the end user to self-install

Setup / onboarding

Onboarding for other supported gateway devices - scenario with NWCC

If the Nokia mesh network is autodetected



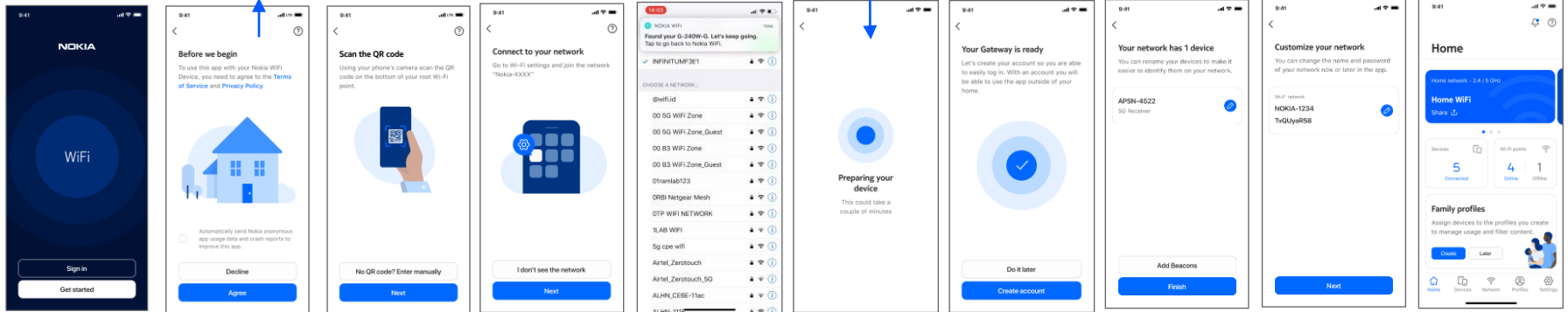
Note

Mobile app features with or without NWCC are detailed [here](#).

Setup / onboarding

Onboarding for other supported gateway devices - scenario without NWCC

If the Nokia mesh network is autodetected



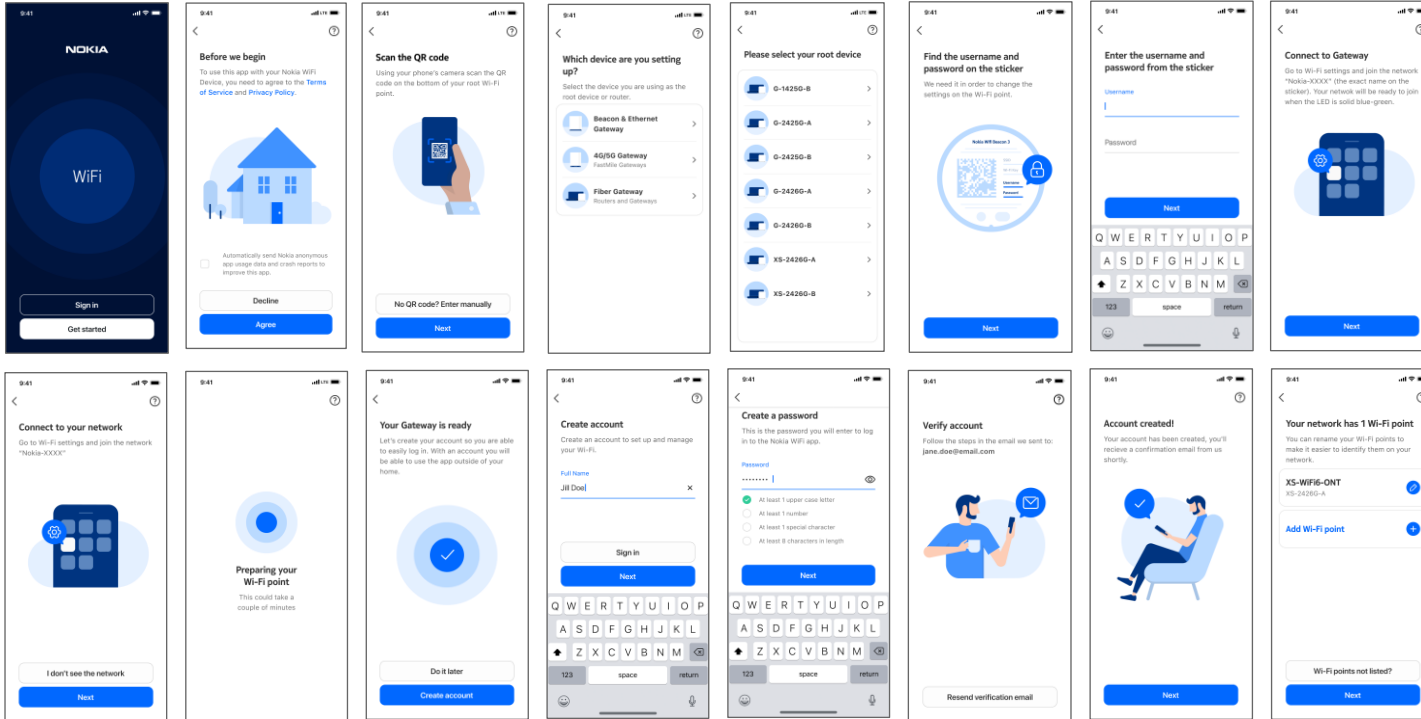
Beacons can be added to the network here.

Note

Mobile app features with or without NWCC are detailed [here](#).

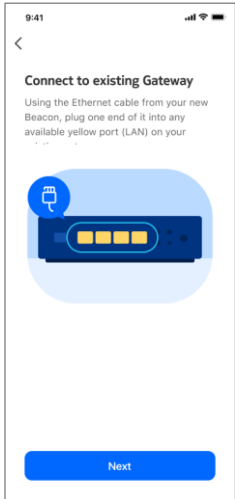
Setup / onboarding

Onboarding for XGS ONT (and other ONTS/RGWs) with NWCC



Setup / onboarding

Ethernet backhaul guidance for supported Gateways



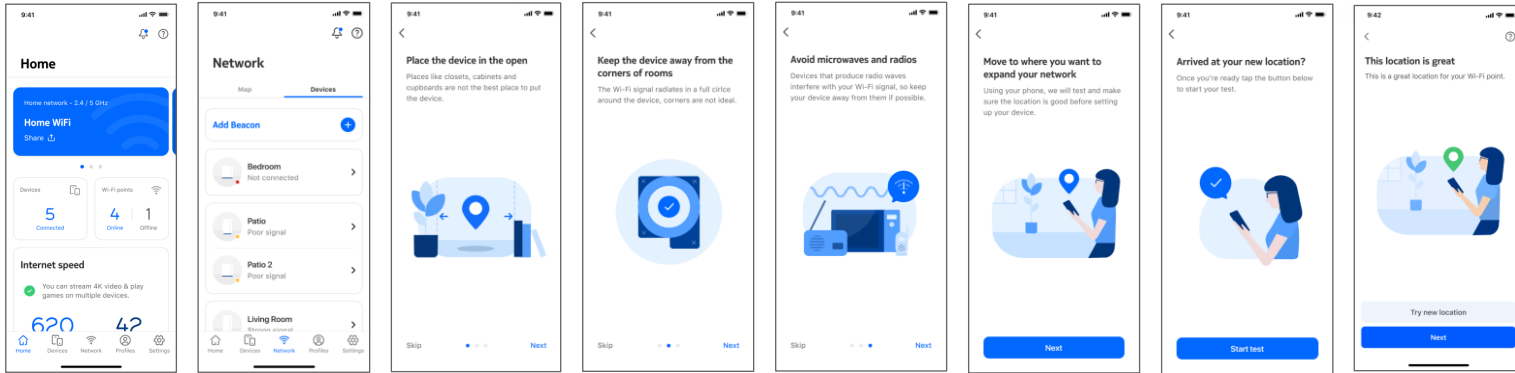
Instructions for connecting additional beacons with Ethernet.

Extender onboarding

Extend the network with Nokia WiFi Beacons

Extender onboarding - add a Beacon to extend the network

A mobile phone can be used to test a potential position quickly and easily



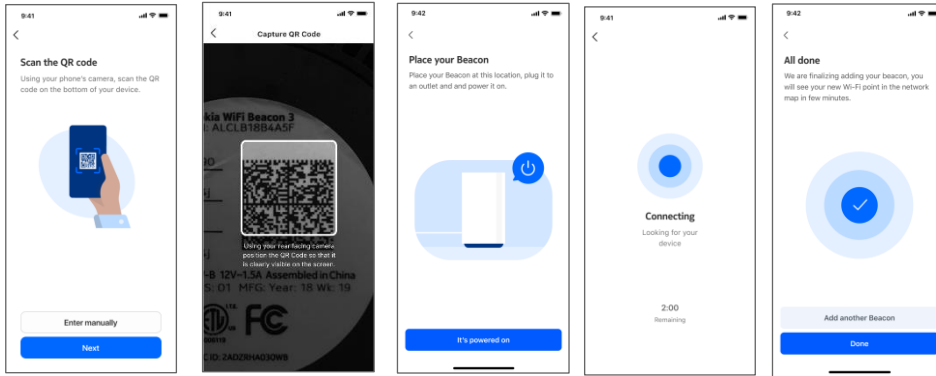
Clear, quick to read instructions to help the user pick the right position.

Immediate feedback is provided from testing with a mobile phone.

When a good location is found then the beacon can be placed and added to the network.

Extender onboarding - add a Beacon to extend the network

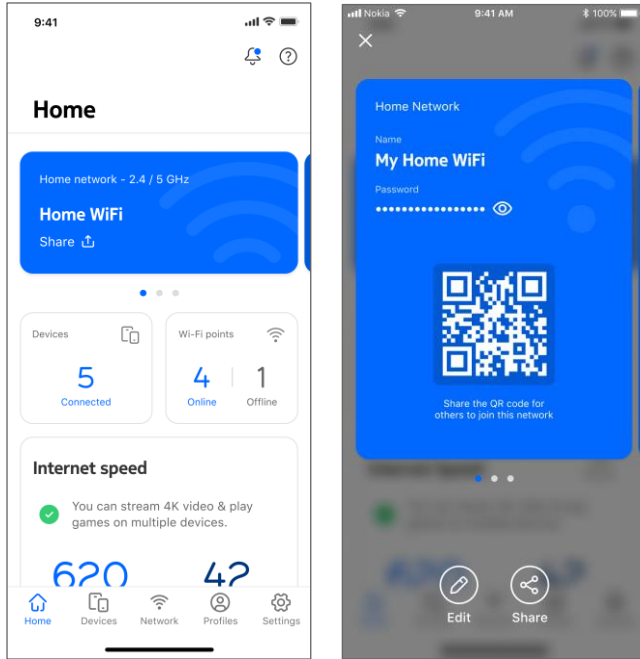
After a good location is found, scan the QR code and power it on



Additional features

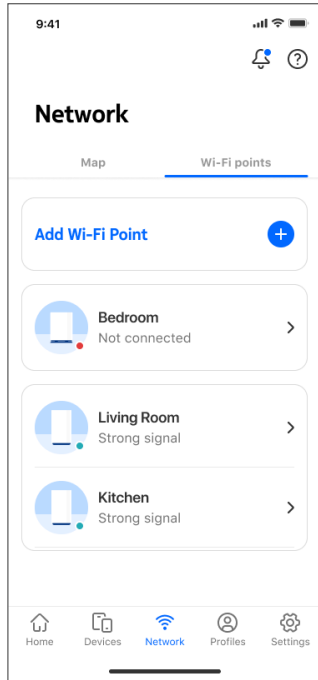
Nokia WiFi mobile app - Features

Easily share Wi-Fi credentials

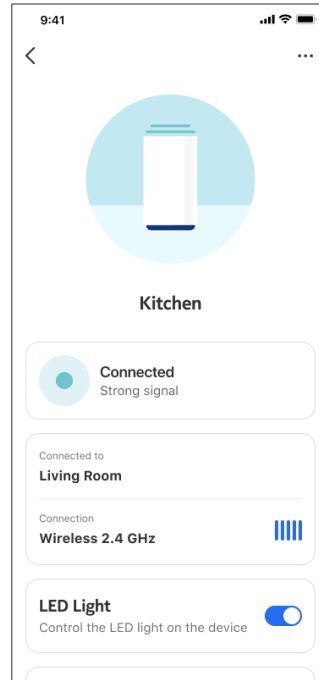
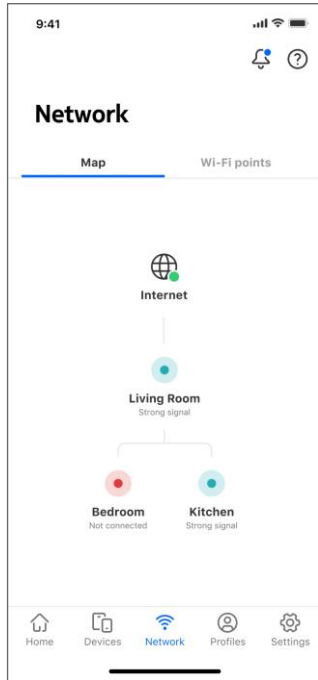


Nokia WiFi mobile app - Features

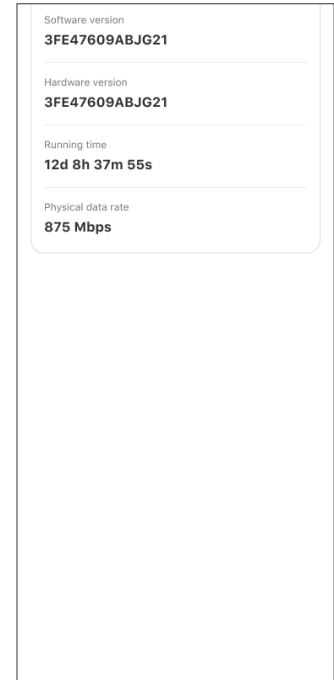
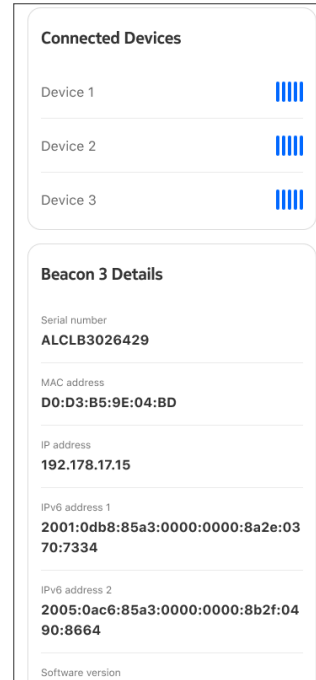
Network topology map and Wi-Fi point details



Network map and signal strength

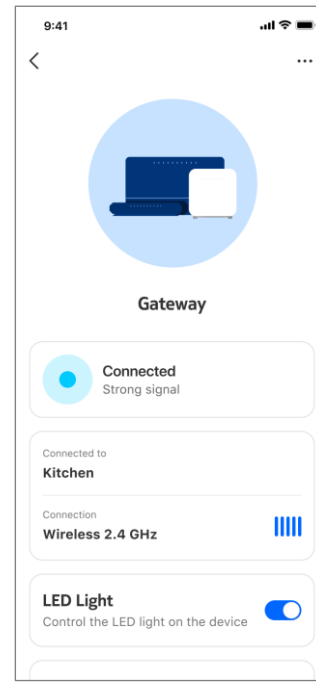
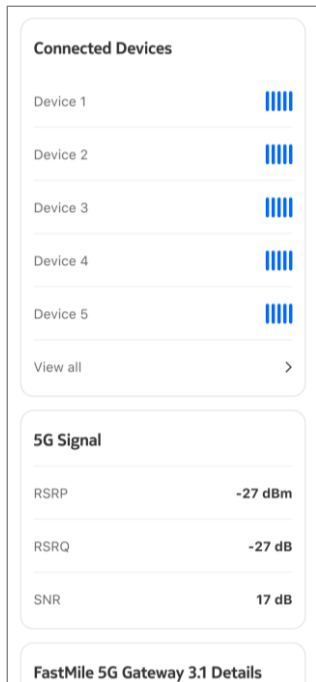
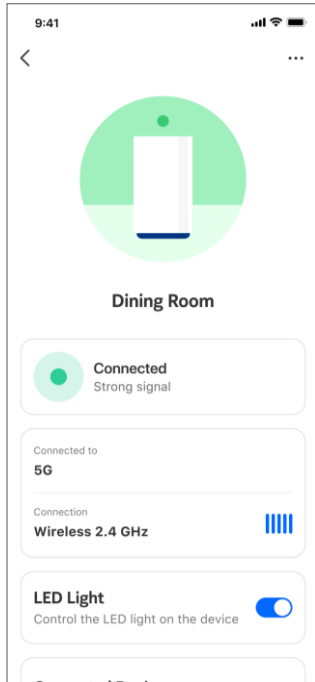


Wi-Fi point details



Nokia WiFi mobile app - Features

Wi-Fi point details – FastMile Gateways & other supported gateways

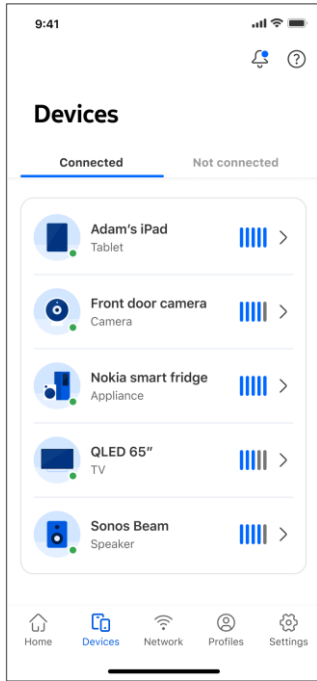


Wi-Fi point details page
for FastMile Gateways

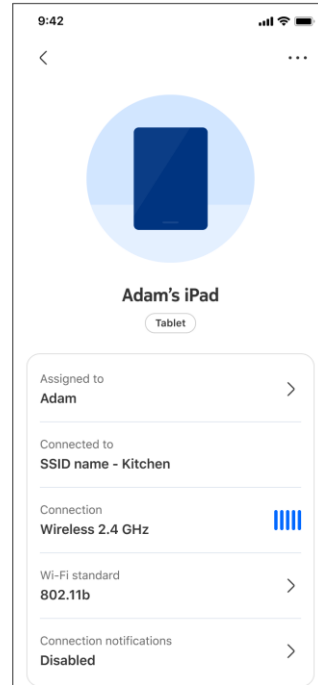
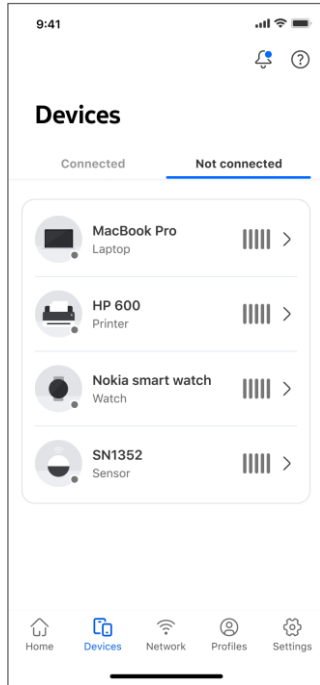
Wi-Fi point details page
for other supported gateways
(generic image)

Nokia WiFi mobile app - Features

Client devices



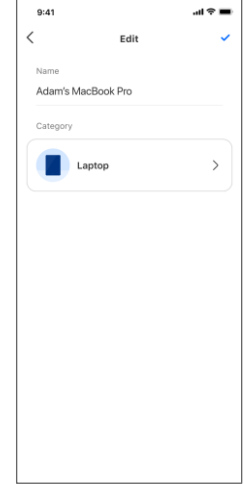
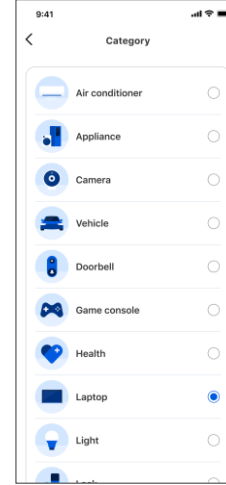
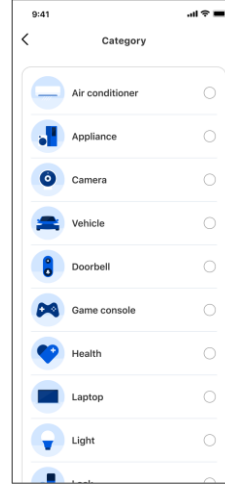
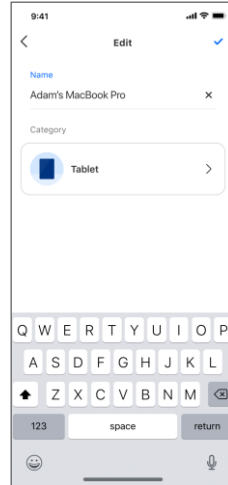
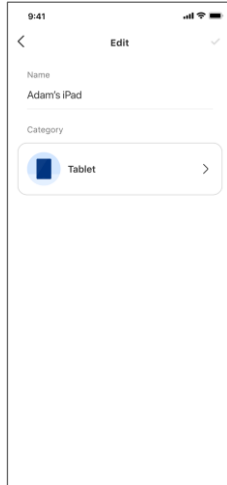
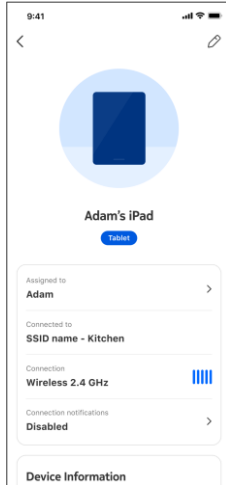
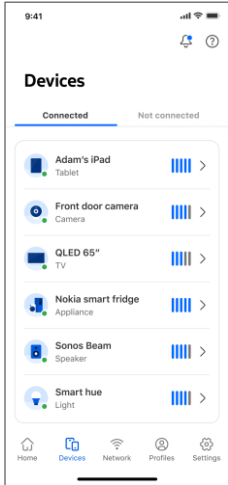
Device list and connection strength



Device details

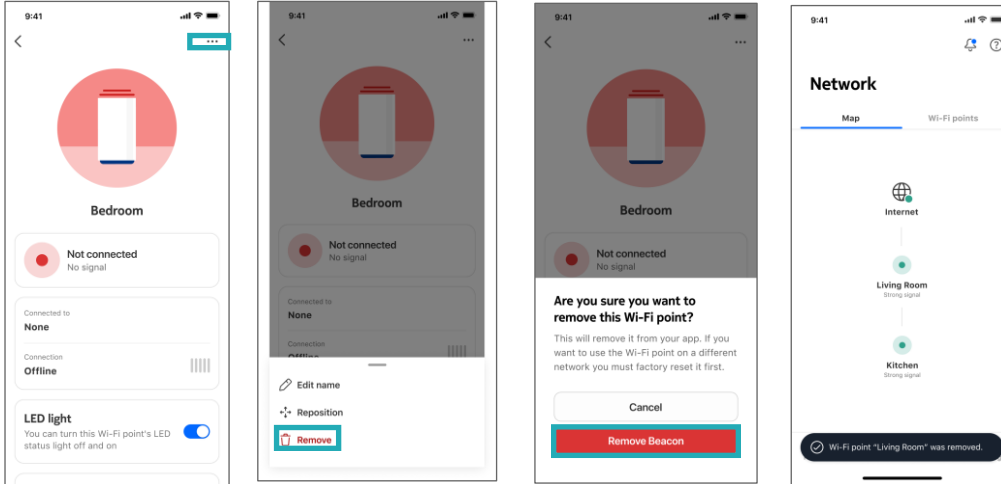
Nokia WiFi mobile app - Features

Change client device type



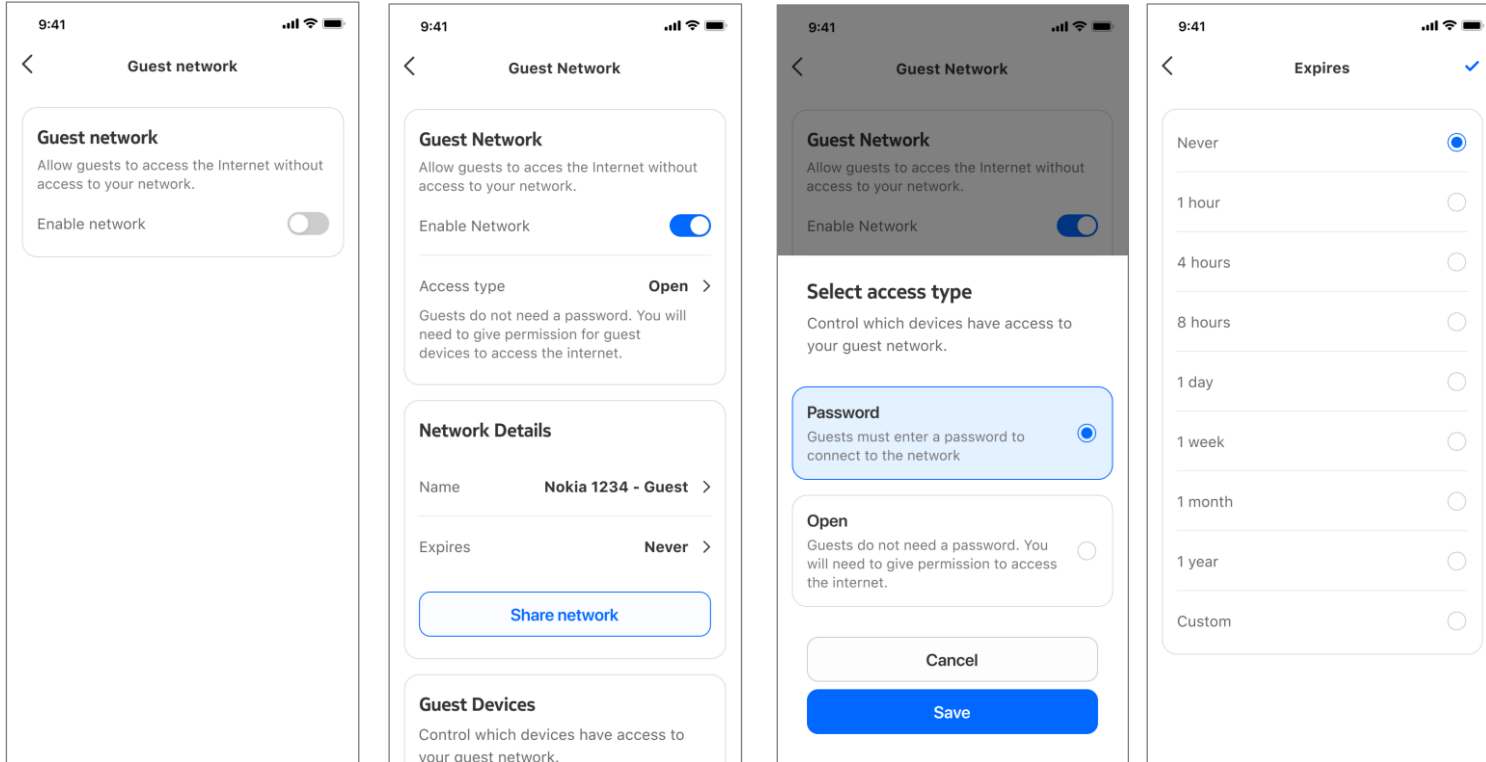
Nokia WiFi mobile app - Features

Remove Wi-Fi point (available with NWCC)



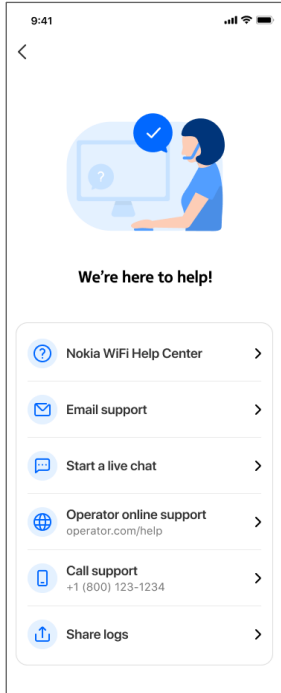
Nokia WiFi mobile app - Features

Guest network – password or open (with approval) (most configurations)



Nokia WiFi mobile app - Features

Help menu - customizable



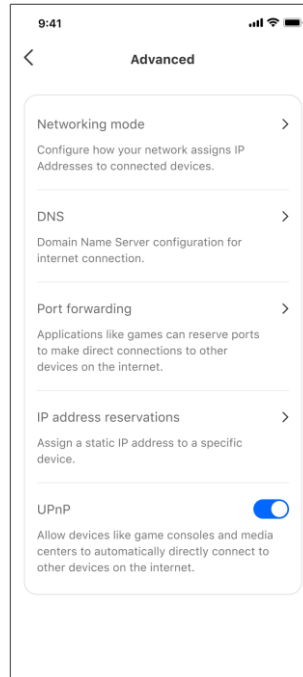
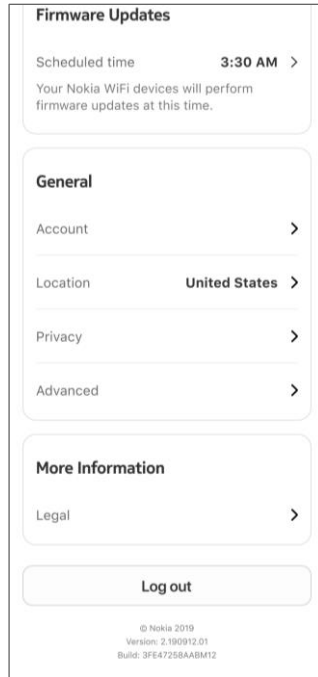
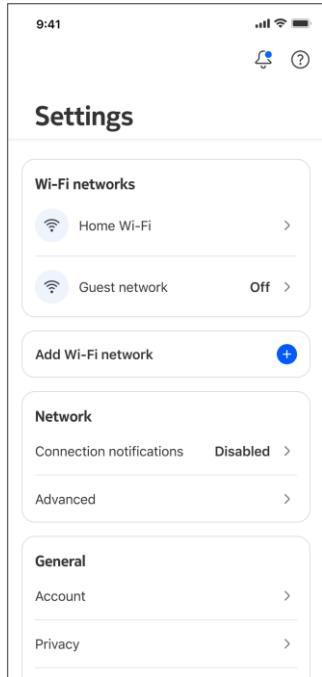
The help menu can be customized to include any of the following options for CSP provided support:

- Nokia WiFi Help Center
- Email support
- Live chat
- Operator online support
- Support phone number

*This information needs to be added to a build.
(Contact PLM to implement.)

Nokia WiFi mobile app - Features

Advanced settings



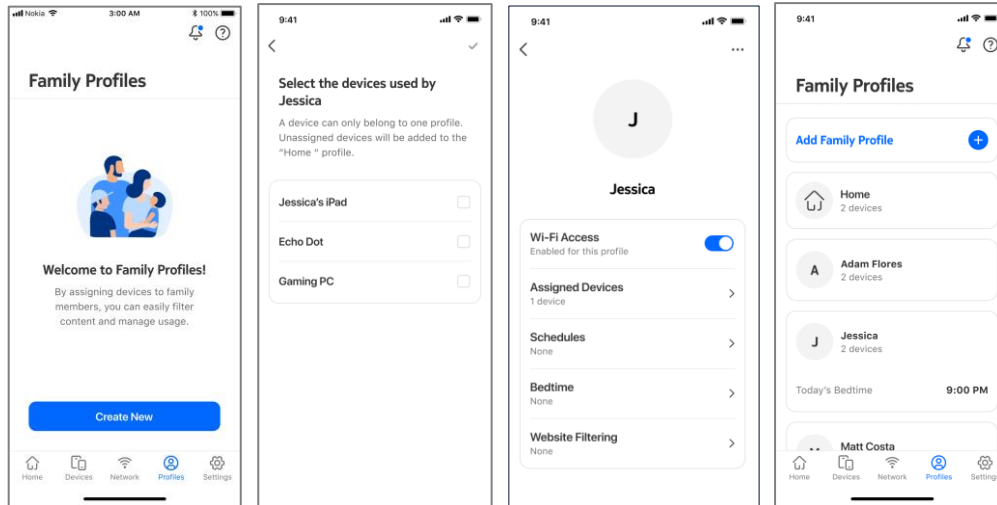
Advanced settings:

- Networking mode
 - DHCP, Static, PPOE or Bridge Mode
- DNS configuration
- Port forwarding
- IP address reservations
- UPnP

Note: on FWA 5G Gateways only port forwarding, and IP reservations will be available

Nokia WiFi mobile app - Features

Family Profiles (parental control)



With family profiles you can create groups of devices to restrict internet access at specified times, set a bedtime, and block specific URLs for all devices in the group.

Nokia WiFi mobile app - Features

Family Profiles (parental control) – ONT support

Parental controls in the mobile app are turned off by default for ONTs. They can be turned on in the web GUI.

GPON Home Gateway [Logout](#) [English | Español](#)

Security-Parental Control

Block access of LAN devices at given times, according to their MAC, IPv4 or URL addresses

[Activate extended parental control](#)

Access Control

Policy Name	Device	IP	URL	Days Of Week	From	To	Delete	Edit	Enable
kids	20:70:3a:14:1e:3a			Monday, Tuesday, Wednesday, Thursday, Friday	20:00	next day 7:00			<input checked="" type="checkbox"/>

[+](#)

GPON Home Gateway [Logout](#) [English | Español](#)

Security-Parental Control

Group List [+](#)

Group Name	Device	Access Internet	URL	Schedule	Bed Time	Block Statistics	Delete
Home	1	Enable	0	0	0	0	Delete
family	1	Enable	1	1	1	0	Delete

[Refresh](#) [Activate base parental control](#) [Help](#)

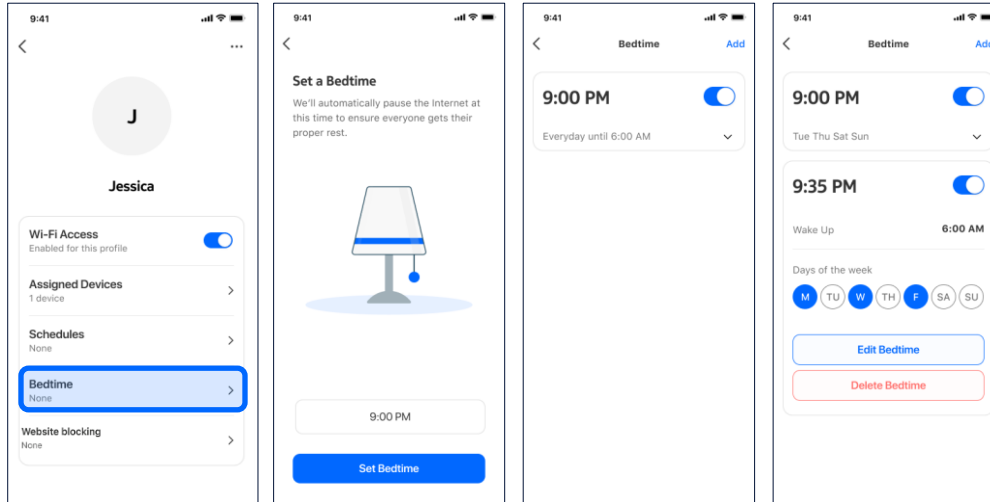
[+](#)

Extended parental controls can be activated – this turns on the parental control feature (Family Profiles) in the mobile app in addition to the web GUI (and the settings will sync with each other).

Nokia WiFi mobile app - Features

Family Profiles – Bedtime

You can set up a bedtime that will allow you to automatically block internet access to the during the specified bedtime.



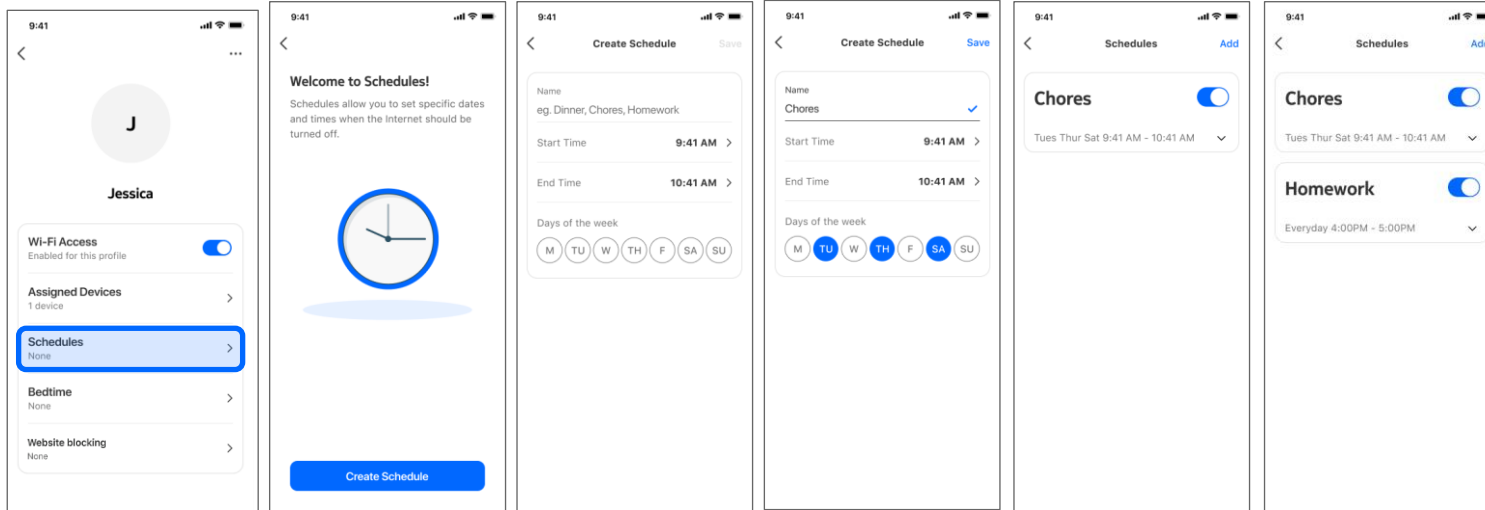
All devices will not have internet access during the specified bedtime.

Different bedtimes can be set for different days of the week.

Nokia WiFi mobile app - Features

Family Profiles – Schedules

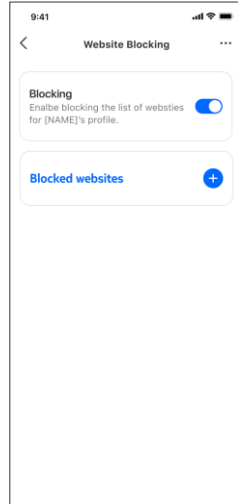
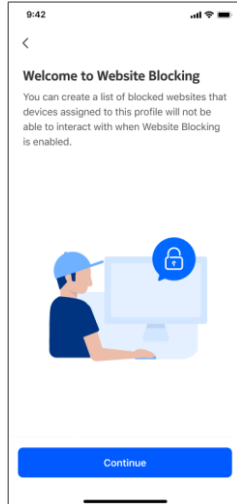
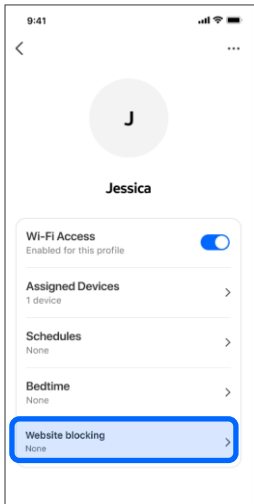
You can create schedules that allow you to automatically block access to the internet at specific times.



Nokia WiFi mobile app - Features

Family Profiles – Website blocking

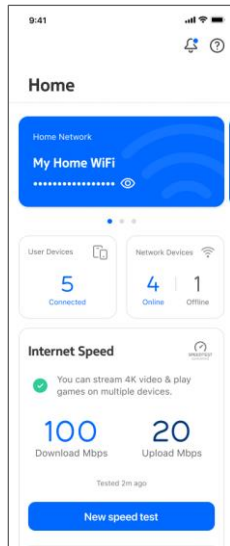
You can use website blocking lists that allow you to block access to specified webpages.



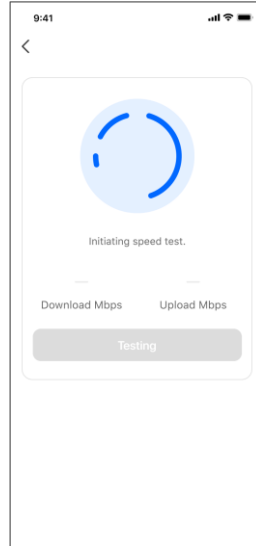
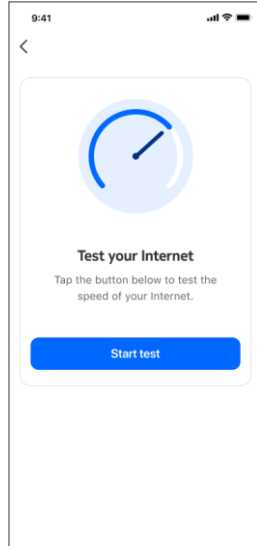
Nokia WiFi mobile app - Features

Internet speed test

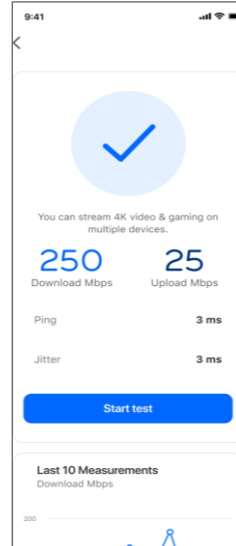
Internet speed test powered by TR-143 or Ookla. (available with NWCC)



start test



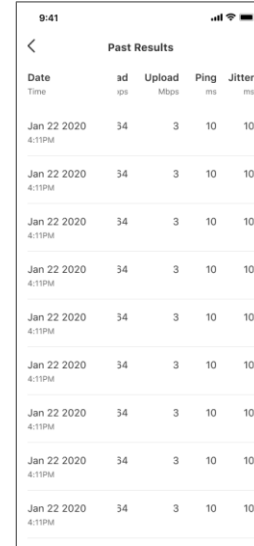
test in progress



results



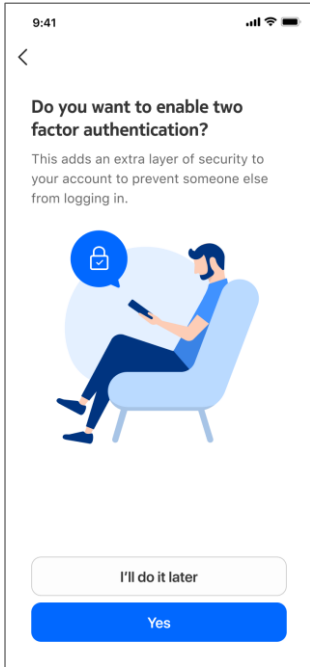
results
(scrolled down)



past results

Nokia WiFi mobile app - Features

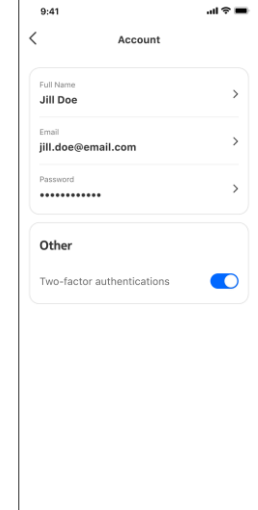
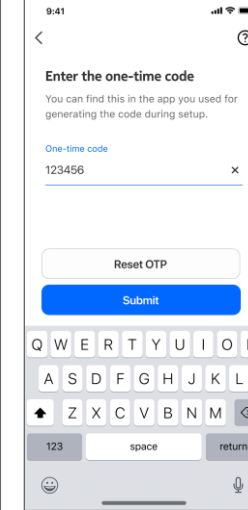
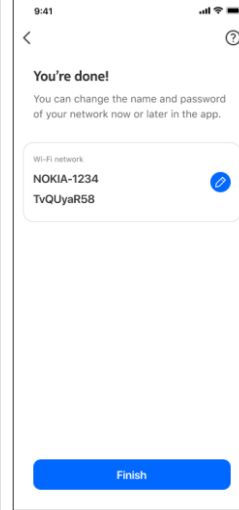
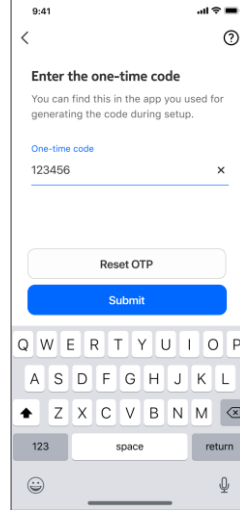
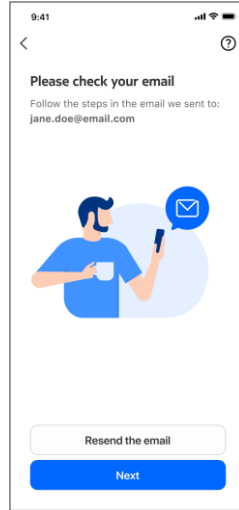
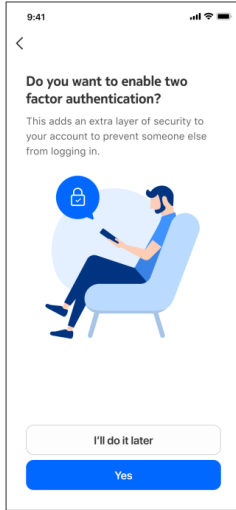
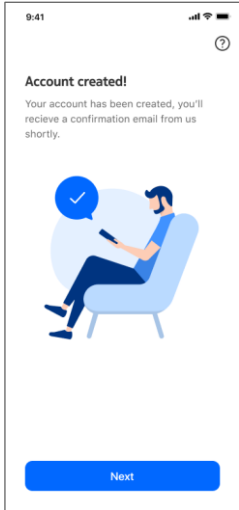
2 factor authentication (2FA) option (available with NWCC)



- 2FA is an optional feature that CSPs can provide for their end users
- NWCC and keycloak are required
- When 2FA is enabled by the CSP the end user will have the option to opt into using 2FA during onboarding or later in settings

Nokia WiFi mobile app - Features

2 factor authentication (2FA) option (available with NWCC)



An email with instructions will tell users to install an authenticator app to use for 2FA with the Nokia WiFi app.

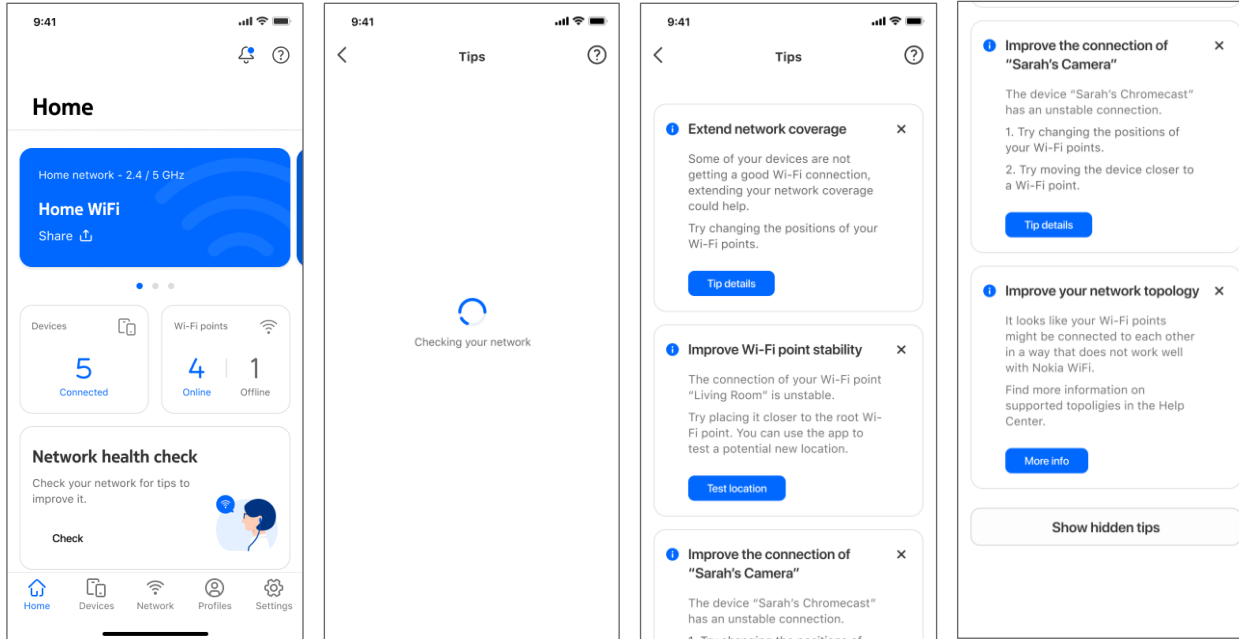
A one-time code will be generated from the authenticator app to login with 2FA

The authenticator app will then be needed each time to sign into the Nokia WiFi app

2 FA can be disabled or enabled at any time in settings.

Nokia WiFi mobile app - Features

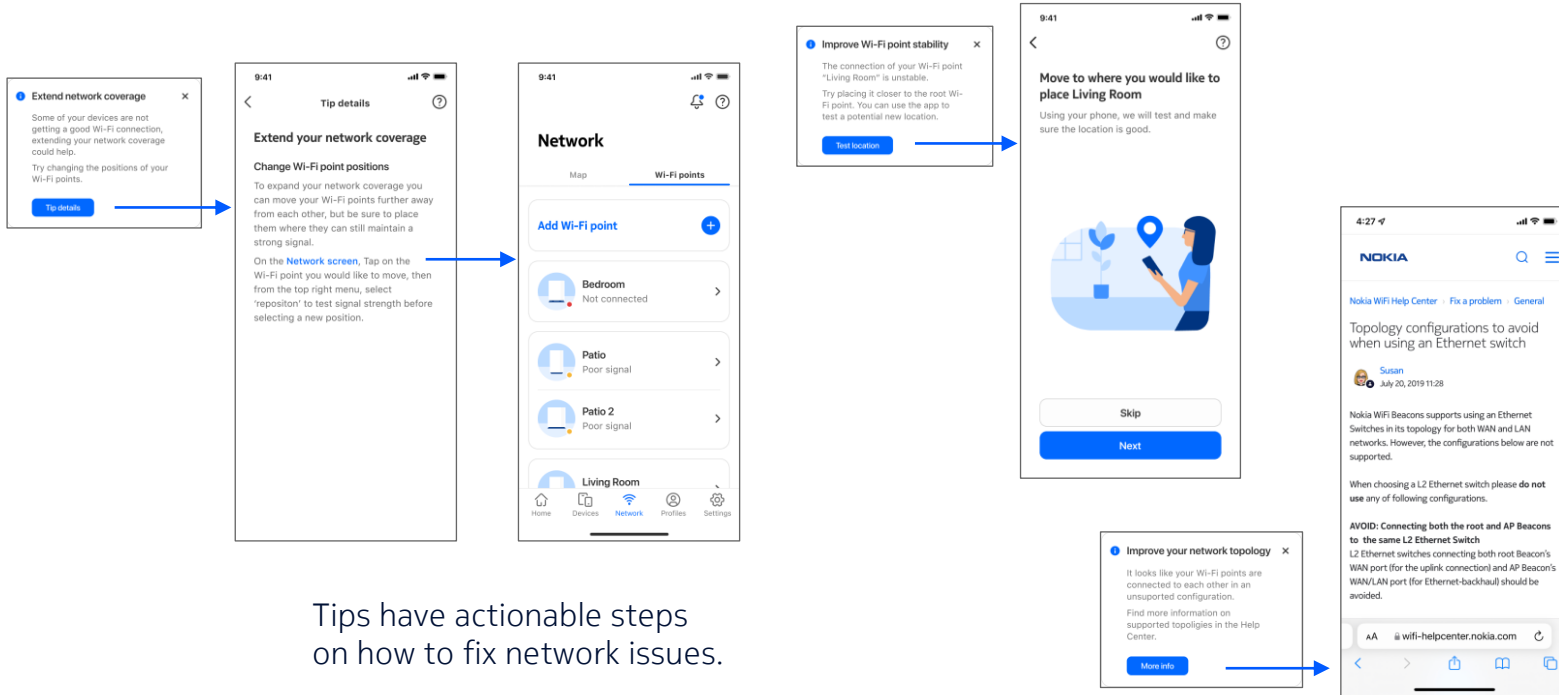
Network Health Check (available with NWCC)



The user can opt into getting tips on how to improve their network to help them self troubleshoot.

Nokia WiFi mobile app - Features

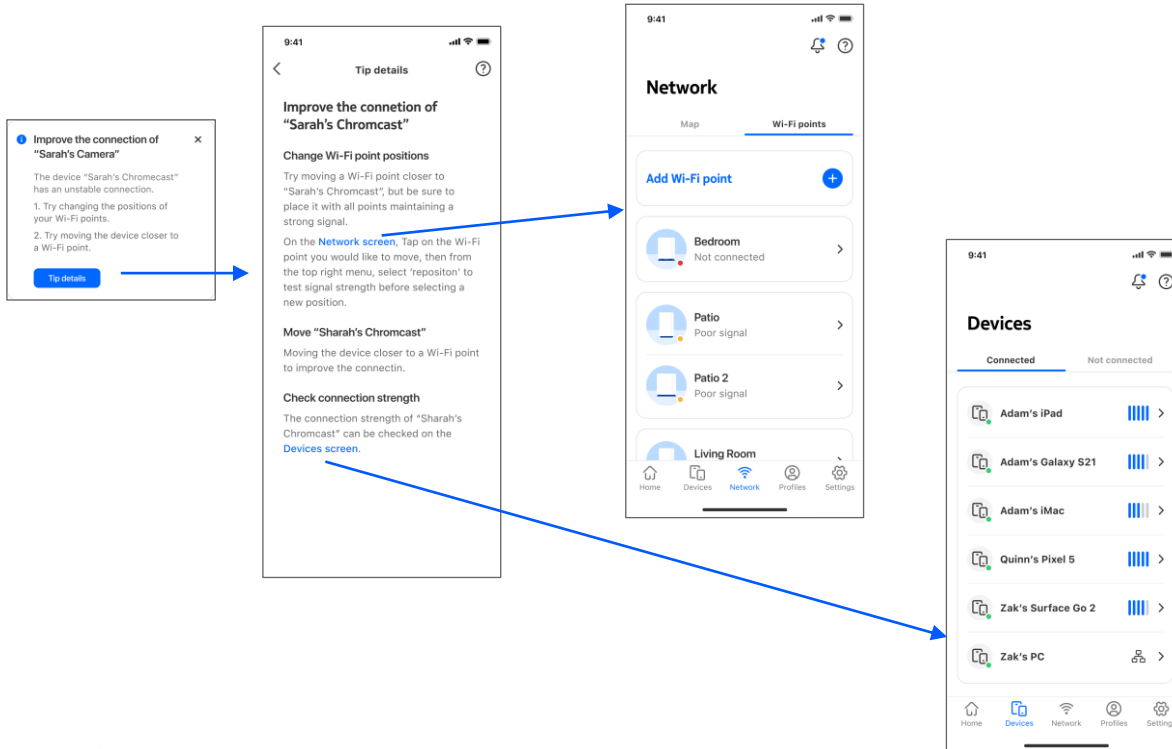
Network Health Check (available with NWCC) – tip details (1 of 2)



Tips have actionable steps on how to fix network issues.

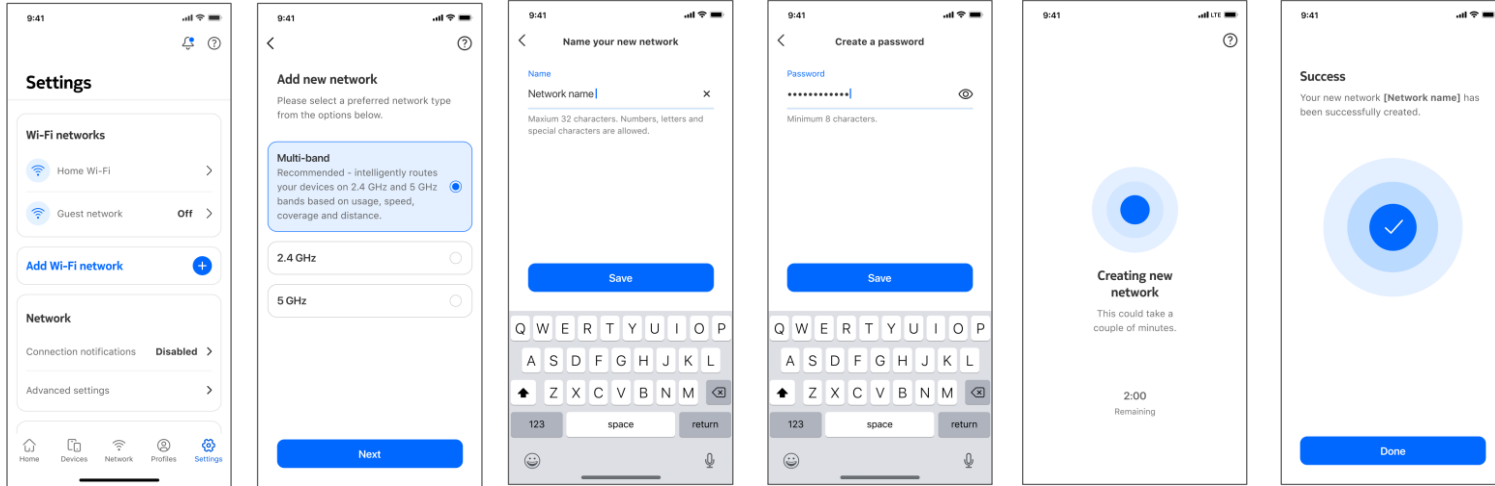
Nokia WiFi mobile app - Features

Network Health Check (available with NWCC) – tip details (2 of 2)



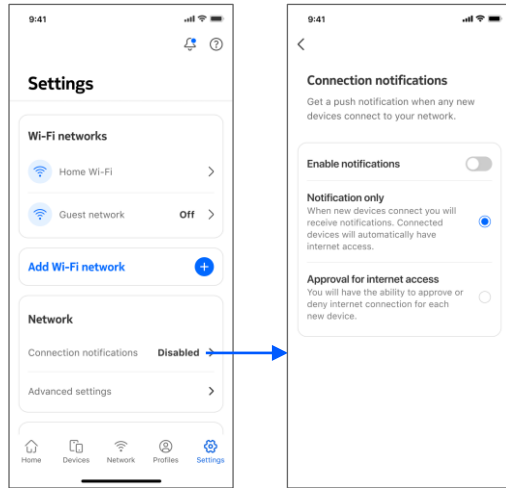
Nokia WiFi mobile app - Features

Multiple SSID support



Nokia WiFi mobile app - Features

Connection notifications – per network

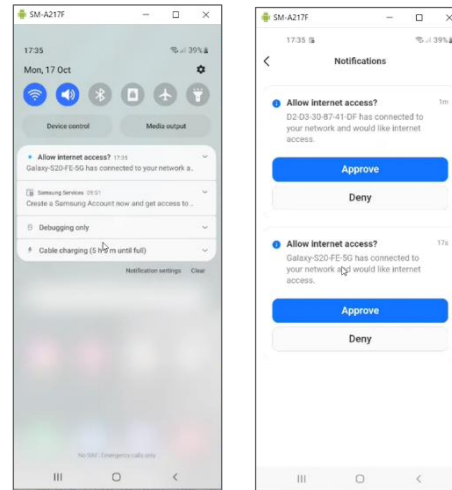


The user can choose to be notified when any new device connects to their network.

Internet access can be blocked until approved.

A new device connecting will trigger a push notification and if they have selected “approve for internet access”, they can choose to approve or deny in the Nokia WiFi app.

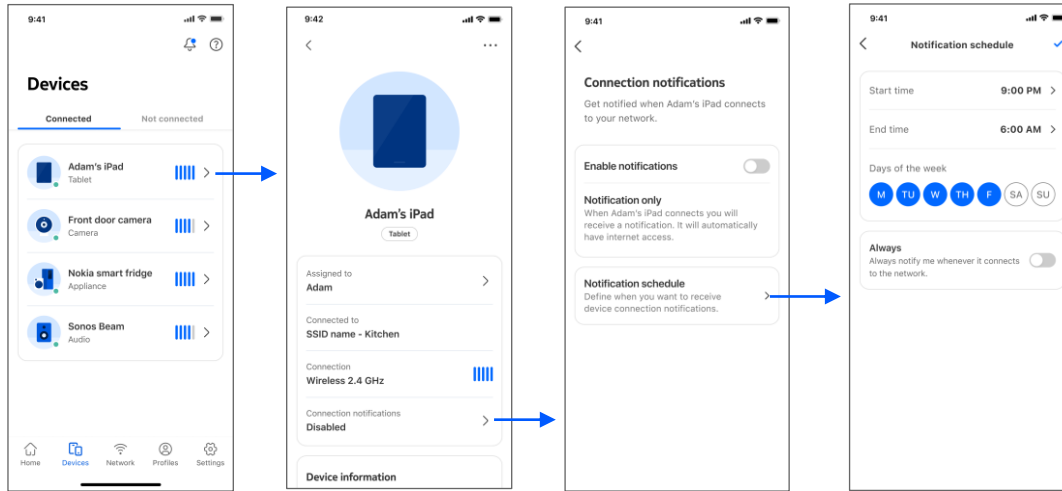
Approval can be given later if the user selects “Deny”.



* **Note:** For ONTs that have parental controls turned off (by default) approve/deny will not work unless enabled (it uses parental controls in the back end to work).

Nokia WiFi mobile app - Features

Connection notifications – per device



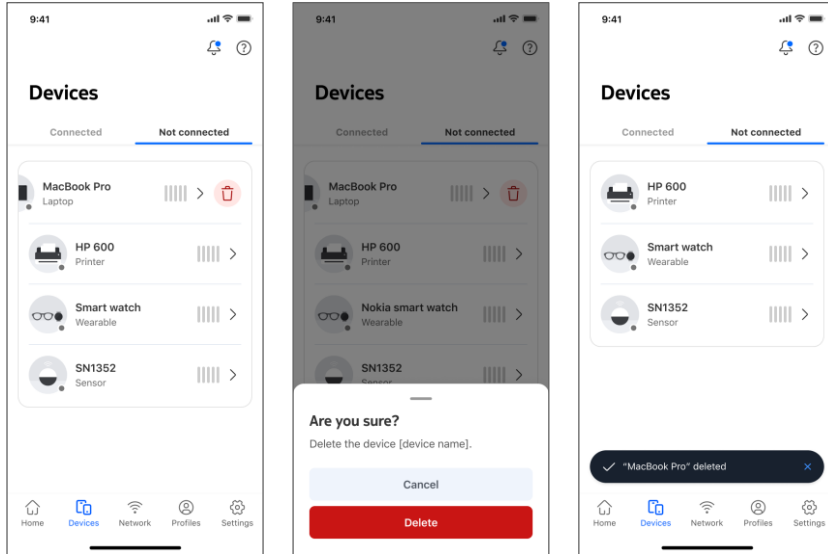
The user can choose to be notified each time a particular device connects to the network.

The user can select when they would like to receive notifications (e.g. after school or at night).

The default is set to “Always”.

Nokia WiFi mobile app - Features

Removal of client devices from devices list

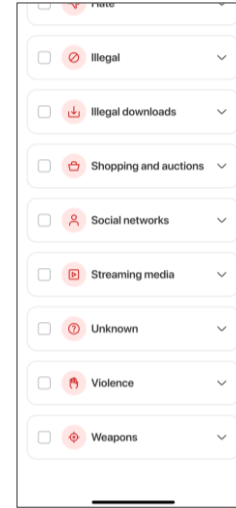
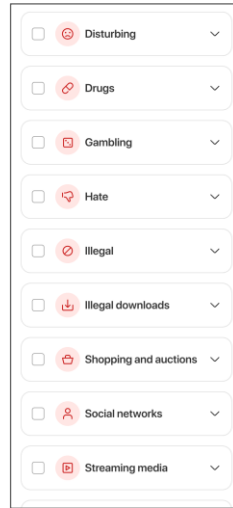
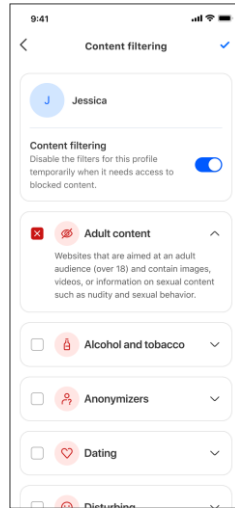
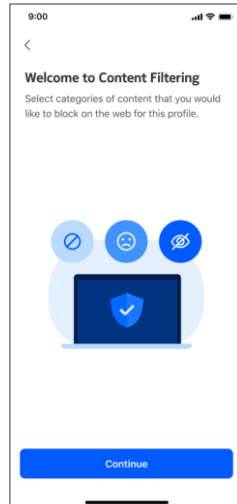
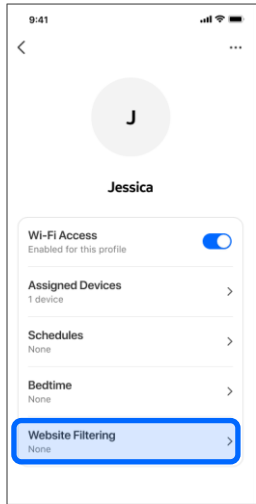


Container applications

Nokia WiFi mobile app – Container applications

F-secure content filtering

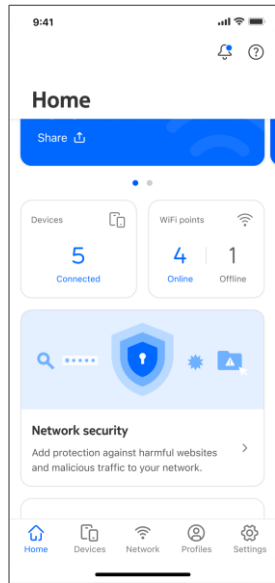
Content filtering can be added to parental controls with a F-secure container app in Beacon 6s.



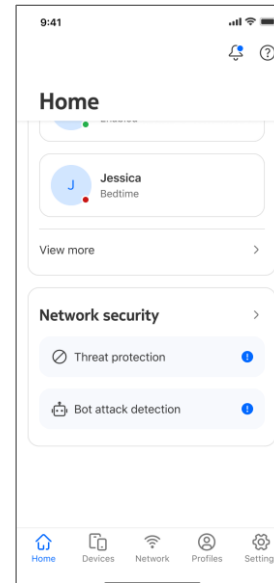
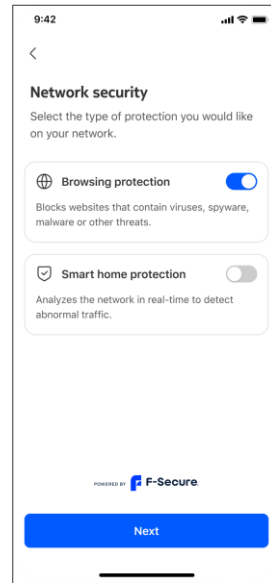
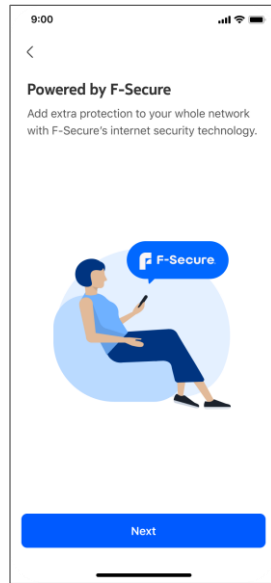
Nokia WiFi mobile app - Container applications

F-secure – network security

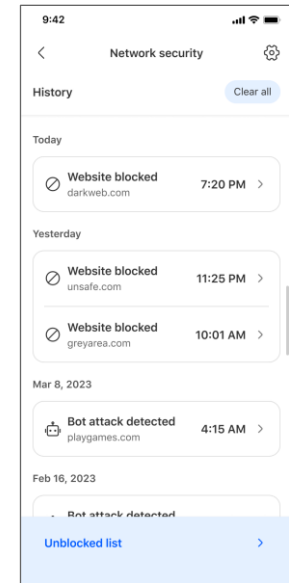
Network security can be added to the app with a F-secure container app in Beacon 6s.



Before security is enabled



After security is enabled



NOKIA