

MAP User Guide





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MAP User Guide

March 2022



1. What is MobiKEY?

MobiKEY is a complete desktop, secure remote access technology that integrates multi-factor authentication and identity management in a mobile computing environment.

Definitions

MobiKEY Application Software

A subscription-based service that enables users to access digital resources from anywhere at any time.

MobiKEY for iOS - MobiKEY Application available in the Apple App Store.

MobiKEY for Android - MobiKEY Application available in the Google Play Store.

MobiKEY Device

MobiKEY technology's patented enabling device. Built on portable USB or smart card hardware for multi-factor authentication.

MobiNET Aggregation Gateway (MAG)

An optional appliance that provides greater visibility and control over data traffic that flows across the network

MobiNET or DEFIMNET

Route1's universal identity management system and service delivery platform. MobiNET is used for multiple-tenant networks, whereas DEFIMNET is used for single-tenant instances.

EnterpriseLIVE Virtualization Orchestrator (ELVO)

An optional appliance that manages virtual machine pools and allocates virtual machine resources for new session requests. (Included with DEFIMNET).

MobiNET Agent Software

Software deployed on the device being accessed (the "Host Asset" or "Host") when users are remote.

MobiNET Administration and Provisioning (MAP)

A secure web-based portal and suite of tools that allows IT administrators to provision, monitor and manage the identity, entitlement, and services of MobiKEY subscribers.



2. MAP: Setting up IT Administration for Success

MobiNET Administration and Provisioning (MAP) enables organizations to effectively manage deployments of the MobiKEY technology.

Benefits of MAP

- Supports centralized or distributed IT management
- Enables user provisioning and monitoring
- Provides enterprise and cross-domain reporting functionality
- Enables auditing and audit controls for corporate and regulatory compliance
- Leverages the MobiNET platform's identity management and service delivery platform

MAP Reports Module

Using the reporting module, you can generate usage, connection, and account reports for your entire MobiKEY user-base.

- Generate user reports for any date range and export them to Word, Excel, PowerPoint, PostScript and Adobe PDF formats
- Reports provide a detailed and timely picture of such parameters as subscriber usage, connection statistics and account status information



3. Setting up your MAP Account

Each MAP Administrator will receive a certificate. Without the certificate, MAP will not launch. Each certificate is encrypted with a unique password for each MAP Administrator. This password and the login credentials will be provided to each Administrator by phone during the training session.

Setting up Your Web Browser

In order to ensure that your certificate is properly authenticated, you will need to configure your internet browser to use TLS 1.0.

Edge	Firefox	Chrome
1. Launch Edge 2. Click "Customize and control Microsoft Edge" "Settings" 3. Select "Show advanced settings" 4. Under "Network", choose "Change proxy settings" 5. Scroll to the very bottom of the list 6. Confirm that "Use TLS 1.0" is selected 7. Click "OK"	1. Launch Firefox 2. Click "Tools" "Options" 3. Click "Encryption" 4. Confirm that "Use TLS 1.0" is selected 5. Click "OK"	1. Launch Chrome 2. Click "Customize and control Google Chrome" "Settings" 3. Select "Show advanced settings" 4. Under "Network", choose "Change proxy settings" 5. Scroll to the very bottom of the list 6. Confirm that "Use TLS 1.0" is selected 7. Click "OK"



Installing the Certificate

You will be provided with a certificate required to access MAP. Save the certificate to your hard drive and proceed to installation:

Edge	Firefox	Chrome	
1. Double click on the	1. Launch Firefox	1. Double click on the	
certificate	2. Click "Tools" "Options"	certificate	
2. Click "Next" to accept all	3. Click "Advanced"	2. Click "Next" to accept all	
default configurations	"Certificates" "View	default configurations	
3. When prompted for the	Certificates"	3. When prompted for the	
password, enter the	4. From the "Your	password, enter the	
password as provided to	Certificates" tab, choose	password as provided to	
you by Route1	"Import"	you by Route1	
4. Continue with the	5. Browse the saved	4. Continue with the	
default configuration until	certificate and select	default configuration until	
you have received an	"Open"	you have received an	
"Install Successful"	6. When prompted for the	"Install Successful"	
message	password, enter the	message	
5. Launch Edge	password as provided to	5. Launch Chrome	
	you by Route1		
	7. Click "OK" to exit the		
	installation window		



4. Launching MAP

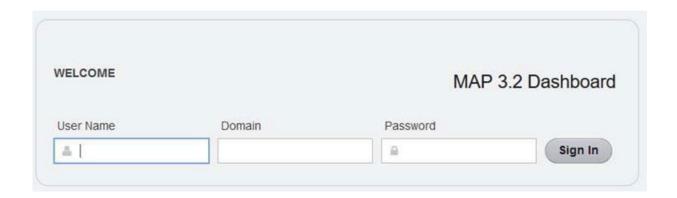
Open your internet browser and go to: https://prod-map-1.route1.net/AdminPortalPresentation

Note this link above may vary depending on your environment and organization.

Confirm the certificate that was installed. Keywords to identify the certificate, depending on your browser, are:

- User Name
- Route1 User CA 10
- Route1 Security Corporation
- MobiNET Administration and Provisioning

Upon successfully confirming the MAP certificate, you will be presented the MAP login page. Use the login credentials that were provided to you by Route1.



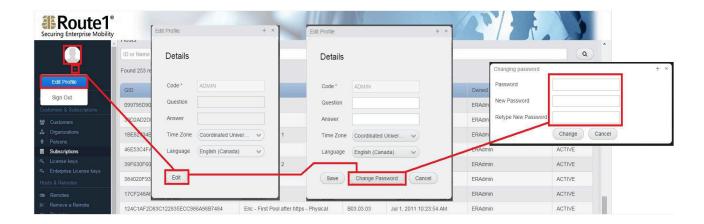
Alternatively, you can log into MAP using your CAC or PIV card. Please contact Route1 for additional details regarding this.





MAP User Password Change

Your password will be provided to you, along with the login credentials. To change your password, log into MAP and select "Edit Profile", then "Edit", and "Change Password". Input your Current Password and your New Password (twice). Click on "Change", and then "Save".





5. MobiKEY Certificates

When MobiKEY users are enrolled in the MobiKEY technology, three certificates are used to authenticate and secure access to digital resources. It is important to understand the purpose of each certificate, as many of the tasks related to MAP relate to the management of the certificates.

MobiKEY Registration Process

The first step in the registration process is to create a unique user ID. A certificate is generated for each ID and issued to the users' smart card. MobiKEY Classic 2 (MC2) and MobiKEY Classic 3 (MC3) devices have the smart card embedded; for iOS and Android devices that integrate with full size smart cards (government issued CAC/PIV, or third-party supported smart cards), the MobiNET leverages the existing credentials that are already issued to the third-party smart card; where no physical smart card is present, a virtual smart card is utilized on the device.

Similarly, when the MobiNET Agent software is installed on a Host Asset, a Host certificate is generated and issued to the Host Asset.

To complete a MobiKEY registration, a Remote user is paired to a Host Asset, creating the cross-certificate for a Host-Remote relationship. This cross-certificate is securely stored on the Host Asset.

Further details on each certificate can be found below:





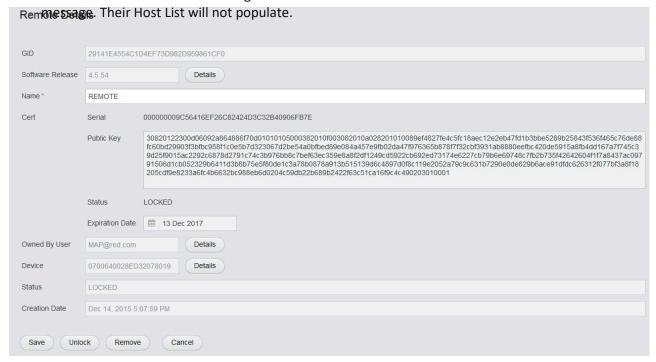
Remote Certificate

The Remote Certificate is what grants the Remote user access to the MobiNET service.

The certificate related to the Remote Asset is stored on the smart card of each Remote user and is created during the registration process. Each Remote has a unique certificate. The Remote certificate is controlled in MAP on the Remotes page.

Locking a Remote will prevent the Remote user from connecting to the MobiNET service.

The Remote user will be able to log into their MobiKEY device but will receive a Fatal Error





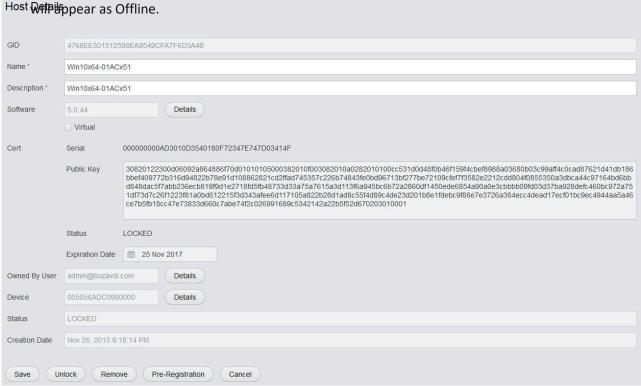


Host Certificate

The Host Certificate is what entitles the Host Asset to participate in the MobiKEY technology.

The Host is the Asset that is running the MobiNET Agent software which allows the Host to identify itself to the MobiNET. Each Host has a unique certificate. The Host certificate is controlled in MAP on the Hosts page.

Locking a Host will prevent the Host Asset from becoming online in the MobiKEY technology. When any Remote user associated to this Host Asset receives their Host list, this Host





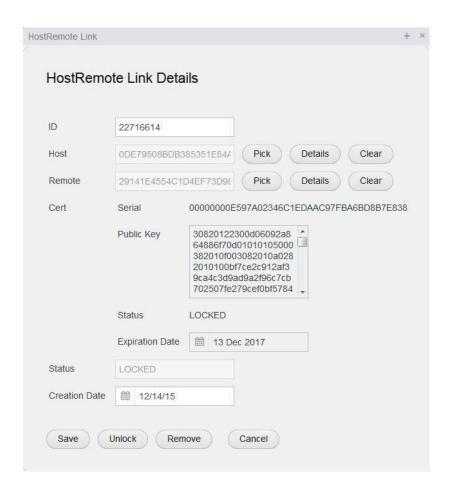


Host-Remote Cross Certificate

The Host-Remote Cross Certificate is used in establishing the secure connection between a particular Remote Asset and a particular Host Asset.

The Host-Remote cross certificate exists when an association has been created between a Remote user and a Host Asset. Each Host-Remote association has a unique certificate. The Host-Remote cross certificate is controlled in MAP on the Host-Remote Link page.

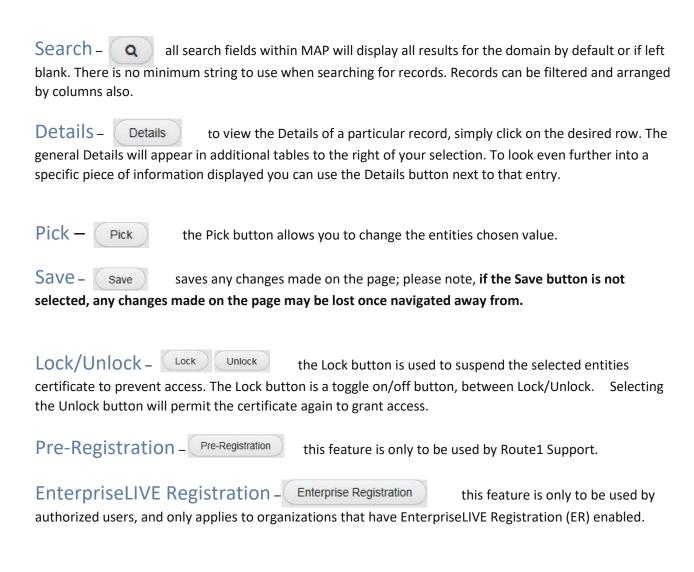
Locking a Host-Remote cross certificate revokes a particular Remote user's access to a particular Host Asset. The Remote user will no longer see this Host Asset on their Host list. The Host-Remote cross certificate is specific to the Remote and the Host. If there are any other Remote users paired with this Host Asset, their association will remain intact.





6. MAP Navigation

Buttons



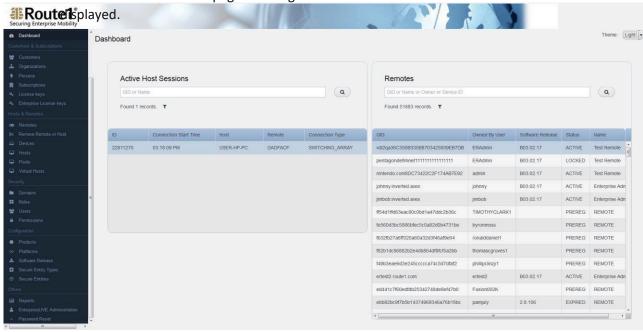


Menu

The main navigation menu will always be present on the far left side.

Main View

Dashboard- The first page after login. A list of Active Host Sessions and Remotes will be



Customers and Subscriptions

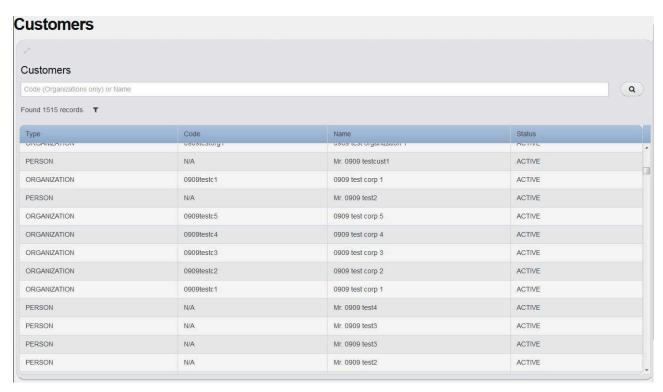
This section allows you to search for information related to your Subscriptions and License Keys.

To view the related Details of any record simply select the desired item from the initial search and a new table or tables will appear on the right hand side. These additional Details are indicated below in separate screen captures and the tables can be resized using your mouse. To maximize or minimize the table you can use the arrow icon in the top left corner.

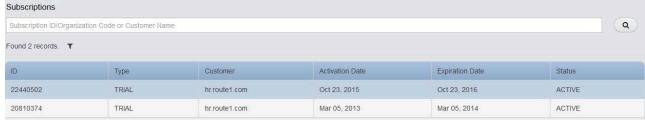


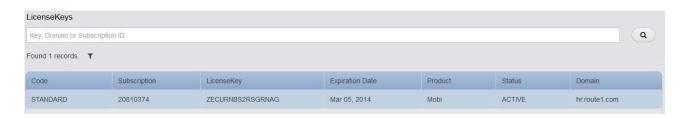
Customers - This feature is for Enterprises who control more than one customer. Searching allows you to view all the customers that fall under your Administrative control.

















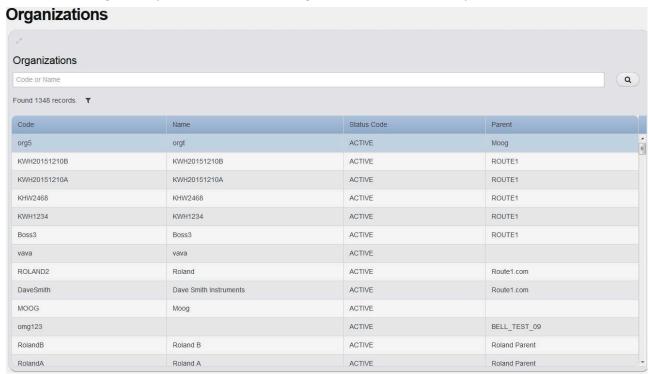


Contacts				•
Found 5 records. T				
Туре	Person	Organization	Title	Status
CORP	Mrs. edit17 editt edit18 editjuly172014	hr.route1.com	test17	ACTIVE
CORP	Mr. rgrgrg gr grgrg	hr.route1.com	ророророр	ACTIVE
CORP	Mr. editjuly15 edit edit edit	hr.route1.com	edit123	ACTIVE
WORK	Mr. edit1 edit1 edit1	hr.route1.com	edit123	ACTIVE
WORK	Mr. editjuly15 edit edit edit	hr.route1.com	edit	EXPIRED



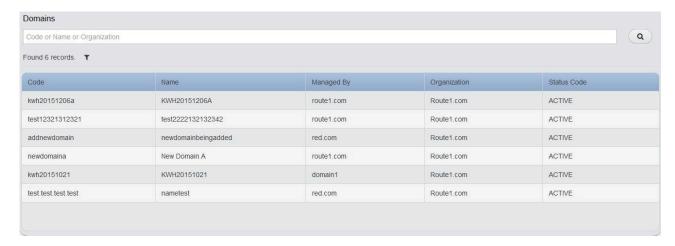


Organizations – This feature is for Enterprises who control more than one organization. Searching allows you to view the all the organizations that fall under your Administrative control.















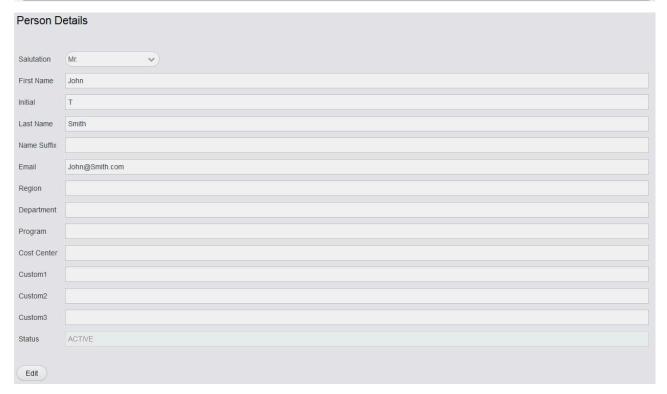




Persons – Allows you to search by Person and to verify the details the user registered

their MobiKEY account with, such as email and phone number.

Persons Persons Name Q 0 Found 91325 records. T Salutation First Name Initial Last Name Name Suffix Email Status Hartlen ken.hartlen@kensd. ACTIVE Ken ken.h@route1.com ACTIVE Mr. PRO Koass kaoss@korg.com ACTIVE ACTIVE kobil Iol k@m.m ACTIVE John Wu jwu@nvtl.com jwu@nvtl.com ACTIVE ACTIVE John jwu@nvtl.com Mr. ACTIVE First Last jshih@nvtl.com Mr ACTIVE john snow john@snow.com Mr john john@doe.com ACTIVE john john.doe@anon.com ACTIVE john doe john.doe@anon.com ACTIVE Jeffrey Cui jeffrey.cui@route1. ACTIVE Mr.







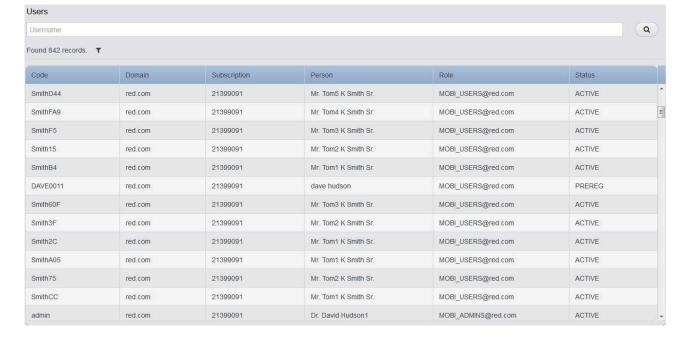
Subscriptions –The Subscriptions and related Details page will show you the duration and status of the subscription and the License Key that is used to register the MobiKEY users belonging to the particular subscription. You will also be able to see at a glance the Remote users that have already registered under this Subscription and any Hosts that also exist



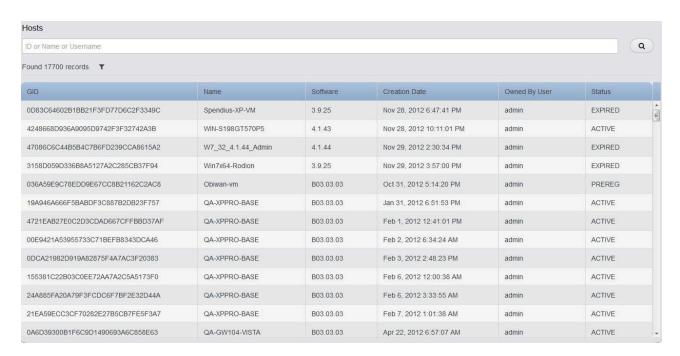


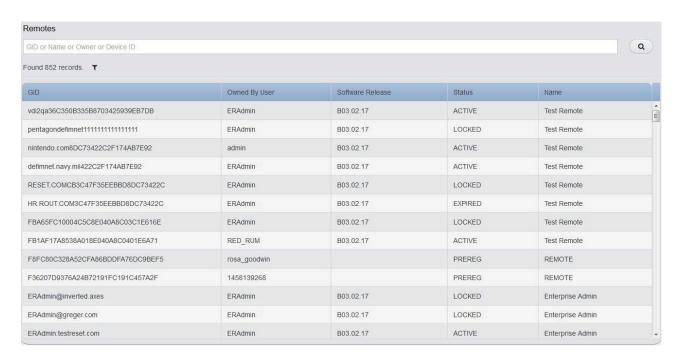








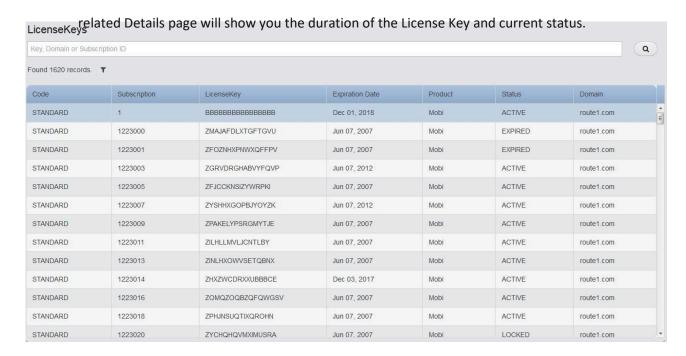


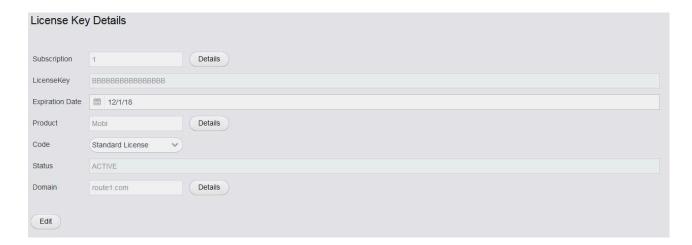






License Keys – Allows you to search by the License Key. The License Keys and

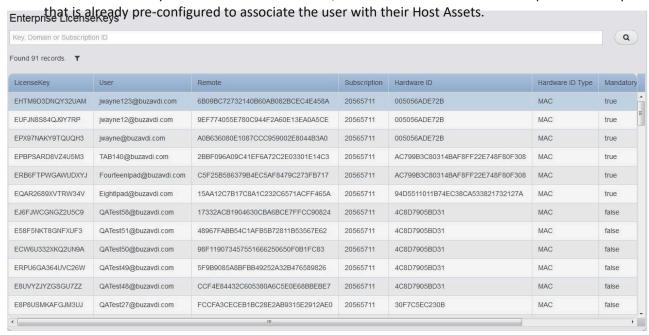








Enterprise License Keys – This feature is available for Enterprises who have registered for EnterpriseLIVE Registration (ER). This search allows you to find individual License Keys and the Remote ID that they are associated to. Under ER, each Remote user receives a unique License Key









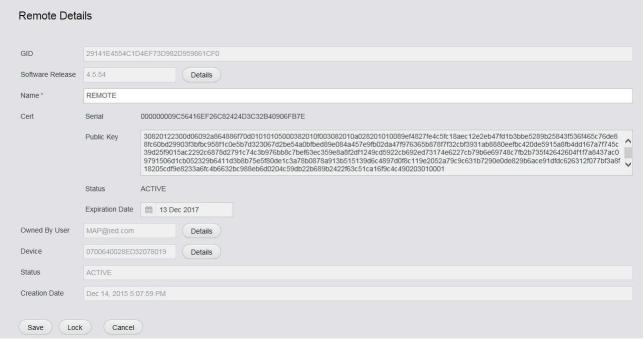
Hosts and Remotes



This section allows you to search for records related to Remote users and Hosts. This is where the majority of the certificates are controlled.

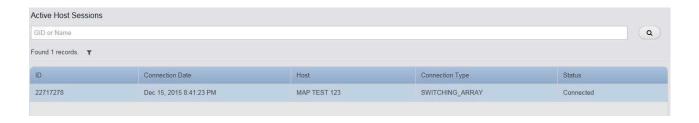
Remotes – Allows you to search for Remote users. The Remotes and related Details page will provide you with further information on the MobiKEY enabling device, user and associated Host Assets.









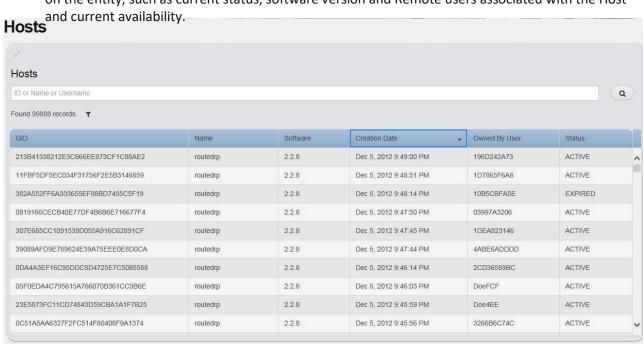


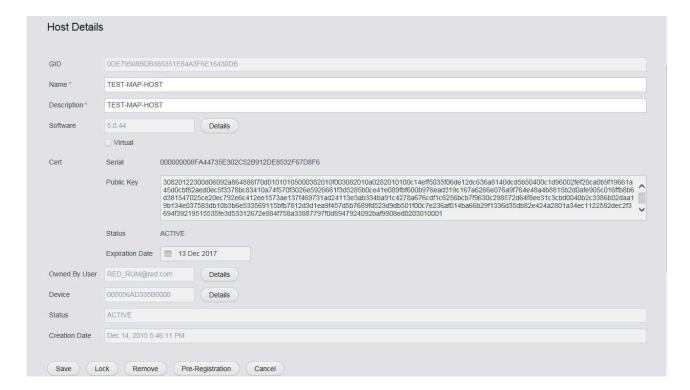






Hosts – Allows you to search for Host Assets. You may perform the search by the Host name, the Remote user name, or the Host ID. The Host Details page will provide you with further information on the entity, such as current status, software version and Remote users associated with the Host and current availability.











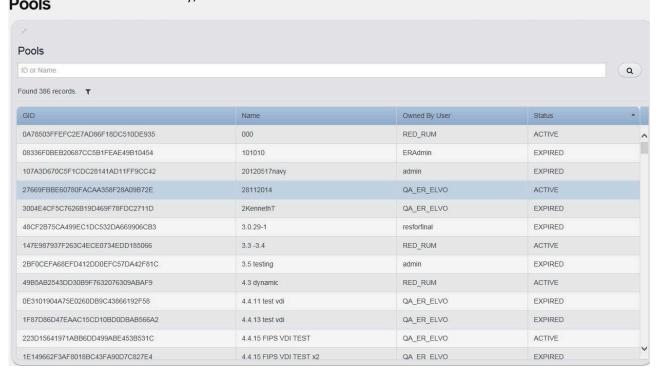


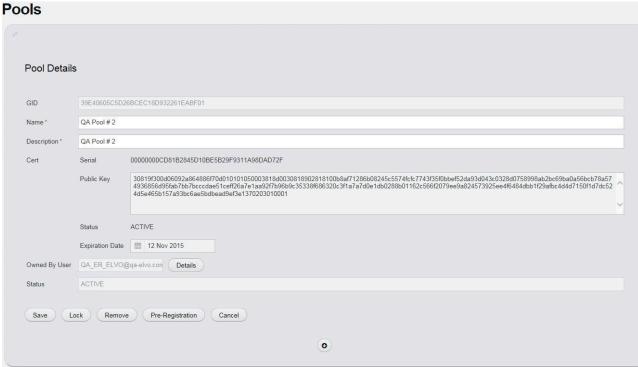






Pools – This feature is for Enterprises who have an ELVO. You may perform the search for Pools by either the Pool ID or Pool Name. The Pool Details page will provide you with further information on the entity, such as current status and the Virtual Hosts associated to the Pool.



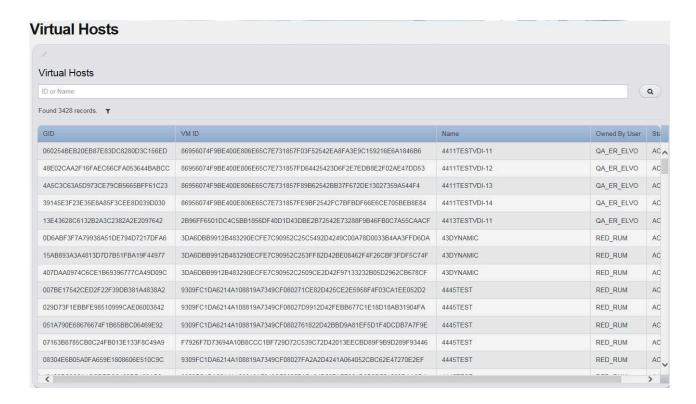




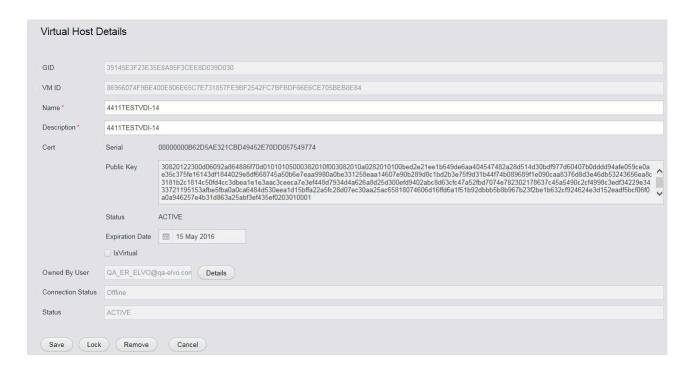


Virtual Hosts – This feature is for Enterprises who have an ELVO. You may perform the search for Virtual Hosts by the ID, Name or Virtual Host ID. The Virtual Host Details page will provide you with further information on the entity, such as current status and certificate expiration date.









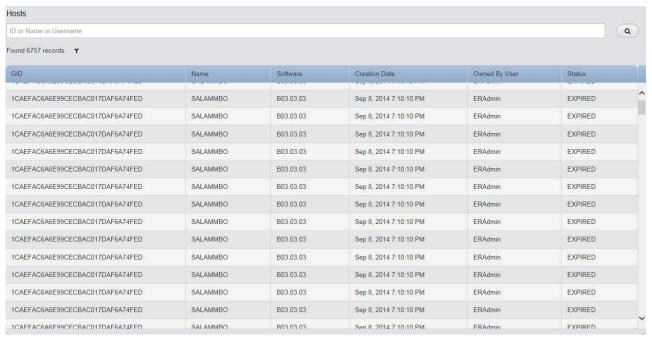


Users – Allows you to search for User details. The User Details page will provide you with a summary of the Remote user account. The information presented will include current status, and a summary of the Hosts and Remotes associated to the entity.











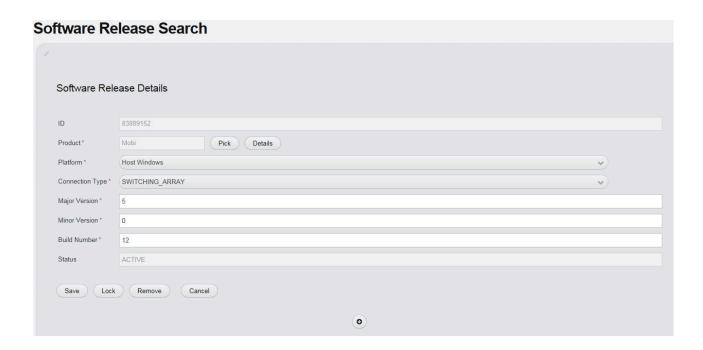




Software Release – Allows you to search for the software release versions. The Software Release Details page will provide you with further information on the entity, such as the Platform and current status. You will be able to search for Software Updates from the Details page.













Reports - This section will allow you to generate usage, connection, and account reports for your MobiKEY users. You will be able to generate user reports for any date range and export them to Word, Excel, PowerPoint, PostScript and Adobe PDF formats. The reports provide a detailed and timely picture of such parameters as subscriber usage, connection statistics and account status information. The reports are produced in Greenwich Mean Time (GMT -0000) and the data is updated daily at 5:30GMT (it is not real-time).

Select one of the available reports to run. You will be asked to complete certain parameters prior to the report being generated. Please note that the date parameters must be in MM/DD/YYYY format.



The main menu on the report page will allow you to edit the parameters of the search, choose the columns to be exported to a .csv file, export the data, print the report, or print to server.





Access Summary (Tabular) – Shows access details for all Remote users during a specified date range.

Aging (Tabular) – Shows all the MobiNET IDs and when they last connected during a specified date range.

Connection History (Tabular) – Shows the connection history of an account during a specified date range.

Connections Per Hour (Tabular) – Shows the total number of connections per hour during a specified date range.

Connections Per Hour (Graphical) – Shows the total number of connections per hour during a specified date range.

Distributed Usage (Tabular) – Shows the number of connections and the number of unique users connected during a specified date range. A sampling range by day, by hour, or by 30 minute intervals can be selected.

Distributed Usage (Graphical) - Shows the number of connections and the number of unique users connected during a specified date range. A sampling range by day, by hour, or by 30 minute intervals can be selected.

Usage (Tabular) – Shows the number of connections and the number of unique users connected during a specified date range.

Host Registration (Tabular) – Shows the status of Hosts registered during a specified date range.





EnterpriseLIVE Administration - If available for your organization and account. You will be able to create new MobiKEY user accounts from here. And pair the MobiKEY users to any number of Host Assets. Please contact Route1 support for additional details.



Password Reset - If available for your organization, you will be able to remotely reset a MobiKEY password from here. This is typically handled by Route1.



7. Glossary of Terms

Α

Administrator - The individual or individuals responsible for the maintenance of and software that comprises a computer network. This normally includes the deployment, configuration, maintenance and monitoring of active network equipment.

Authentication - The act of establishing or confirming something (or someone) as authentic. This might involve confirming the identity of a person, the origins of an artefact, or assuring that a computer program is a trusted one.

C

Comma separated values (CSV) file – A file used for the digital storage of data structured in a table of lists form, where each associated item (member) in a group is in association with others also separated by the commas of its set. Each line in the CSV file corresponds to a row in the table. Within a line, fields are separated by commas, each field belonging to one table column. CSV files are often used for moving tabular data between two different computer programs, for example between a database program and a spreadsheet program.

Configuration - An arrangement of functional units according to their nature, number, and chief characteristics. Often, configuration pertains to the choice of hardware, software, firmware, and documentation. The configuration affects system function and performance.

D

Deployment - The assembly or transformation from a packaged form to an operational working state; moving a product from a temporary or development state to a permanent or desired state.

Ε

EnterpriseLIVE Registration (ER) – A tool that allows IT administrators to enroll MobiKEY users in bulk and pair the MobiKEY users to any number of Host Assets. CAC and PIV user associations are device agnostic and are associated with the existing certificates on the smart card while ER generates unique License Keys for MobiKEY Classic 3 (MC3) and MobiKEY mobile application users. The user simply needs to enter that License Key or insert their smart card to finalize their registration.

EnterpriseLIVE Virtualization Orchestrator (ELVO) - An optional appliance that manages virtual machine pools and allocates virtual machine resources for new session requests. (Included with DEFIMNET).



Н

Host Asset - "Host Asset" or "Host" shall mean the Asset that has the MobiNET Agent software installed on it. The Host may be a single host computer system, a series of host computer systems, a virtual computer or machine, a network, a server based system or any other host system on which the MobiNET Agent software is running.

M

MobiKEY Application Software - A subscription-based service that enables users to access digital resources from anywhere at any time.

MobiKEY Device - MobiKEY technology's patented enabling device. Built on portable USB or smart card hardware for multi-factor authentication.

MobiKEY for iOS - MobiKEY for iOS Application available in the Apple App Store.

MobiKEY for Android – MobiKEY for Android Application available in the Google Play Store.

MobiNET - Route1's universal identity management system and service delivery platform.

MobiNET Agent Software - Software deployed on the device being accessed (the "Host Asset" or "Host") when users are remote.

MobiNET Aggregation Gateway (MAG) – An optional appliance that provides greater visibility and control over data traffic that flows across the network

MobiNET ID - The unique ID that has been created for the associated user.

Ρ

Password - A secret word or string of characters that is used for authentication, to prove identity or gain access to a resource (example - an access code is a type of password). The password should be kept secret from those not allowed access.

Proxy - A server (a computer system or an application program) that acts as a go-between for requests from clients seeking resources from other servers.

S



Session - A semi-permanent interactive information interchange, also known as a dialogue, a conversation or a meeting, between two or more communicating devices, or between a computer and user (see Login session).

Software - A collection of computer programs, procedures and documentation that perform some tasks on a computer system.

V

Virtualization - A technique used to implement an environment that provides a complete simulation of the underlying hardware. The result is a system in which all software capable of execution on the raw hardware can be run in the virtual machine.

Virtual Machine - A software implementation of a machine (computer) that executes programs like a physical machine.





8. Route1 Support

Network Operations Support

support@route1.com

General Support: 1-561-314-9091 (Available from 7 am Monday to 11 pm Friday, and 10 am to 4 pm Saturday and Sunday. All times are Eastern)

U.S. Navy Support: 1-561-314-9091 (Available from 7 am to 11 pm Monday to Friday, and 10 am to 4 pm Saturday and Sunday. All times are Eastern)

Office Locations

Arizona

Headquarters 7300 N. Via Paseo Del Sur, Suite 202 Scottsdale, Arizona 85258

Colorado

4949 South Syracuse Street, Suite 430, Denver, Colorado 80237

Florida

951 Broken Sound Parkway, Suite 108 Boca Raton, Florida. 33487

Tennessee

8822 Production Lane, Suite 103 Ooltewah, Tennessee 37363

Virginia

9962 Brook Road, Suite 607 Glen Allen, Virginia. 23059

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