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MNS® Digital
ABB Ability™ Condition Monitoring for electrical systems
User Management – Quick guide
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The MNS Digital Edge GW uses these open source components:

- **jquery version 3.2.1** Copyright JS Foundation and other contributors, https://js.foundation/
- **jqueryui.com 1.12.1** Copyright JS Foundation and other contributors, exact contribution history, see https://github.com/jquery/jquery
- **perfect scrollbar 1.1.0** The MIT License (MIT) Copyright (c) 2012-2017 Hyunjune Jun and other contributors
- **selectric 1.13.0** Copyright (c) 2016 Leonardo Santos

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# Table of Contents

1. General.................................................................................................................................................. 1
   1.1. Target Group................................................................................................................................. 1
   1.2. Terminology................................................................................................................................. 1
   1.3. Related Documentation.................................................................................................................. 1
   1.4. Related System Version................................................................................................................ 1

2. Introduction............................................................................................................................................. 2
   2.1. Default settings ............................................................................................................................. 2

3. Configuring the User Management for the MNS Digital Edge Gateway ............................................. 3
   3.1. Creating a New User for the Web Interface.................................................................................... 3
   3.2. Changing the user Password.......................................................................................................... 8
   3.3. Changing the Password of Admin User......................................................................................... 9

4. Network connectivity .............................................................................................................................. 14

5. Troubleshooting...................................................................................................................................... 15
List of Figures

Figure 1 – Select Computer Management.................................................................3
Figure 2 – Computer Management Window.............................................................4
Figure 3 – Select “New User”.....................................................................................4
Figure 4 – Add New User...........................................................................................5
Figure 5 – Add user to “RTDB-operator” group.........................................................6
Figure 6 – Add user to “RTDB-readonly” group.........................................................6
Figure 7 – User added to “RTDB-operator” group.......................................................7
Figure 8 – User Changes Own Password.....................................................................8
Figure 9 – Change Password.....................................................................................9
Figure 10 – Logout by Disconnect Button...................................................................10
Figure 11 – Generic Credential – Add Credentials....................................................11
Figure 12 – Add CPIMS/ADMIN with new admin password......................................11
Figure 13 – Add CPIMS/DBADMIN with new admin password................................12
Figure 14 – Uninstall Services................................................................................12
Figure 15 – Re-install Services................................................................................13
Figure 16 – Set Service Start Type to “auto”..............................................................13
1. General

1.1. Target Group

The MNS Digital Edge Gateway is the hardware platform for ABB Ability™ Condition Monitoring for electrical systems (in the following ‘Condition Monitoring’).

Audiences of this manual are service technicians and switchgear operators on site. This document describes the setup and change of login credentials and user roles for the MNS Digital Edge Gateway and Condition Monitoring. The reader shall be familiar with the terms and concept of Microsoft Windows®.

1.2. Terminology

List of the terms, acronyms, abbreviations and definitions that the document uses.

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNS</td>
<td>Modular Low Voltage Switchgear family from ABB</td>
<td></td>
</tr>
<tr>
<td>Windows OS</td>
<td>Windows Operating System. Windows® is a registered trademark of Microsoft Corporation. All other trademarks are the property of their respective owners.</td>
<td></td>
</tr>
</tbody>
</table>

1.3. Related Documentation


1.4. Related System Version

The content of this document is related to MNS Digital Release 1.1
2. Introduction

This document provides an introduction on how to setup or change login credentials for the user management of the MNS Digital Edge Gateway.

2.1. Default settings

The MNS Digital Edge Gateway is provided from ABB with the custom specific project installed. Within project specification the customer may agree on the number of users for the project and the respective user roles. In this case ABB will provide the MNS Digital Edge Gateway with the agreed user accounts. After delivery it’s mandatory to change at least the user passwords.

In case the users and roles are not defined from project, 2 default users are installed: Administrator and Operator.

This is also valid when the MNS Digital gateway is ordered as spare part.

Default login credentials are:

**Administrator**

User name: EdgeGwAdmin
Password: PleaseChangeMe

**Operator**

User name: EdgeGwUser
Password: PleaseChangeMe

For cyber security reason, it’s mandatory to change the password after installation of the MNS Digital Edge Gateway.

ABB will take no liability caused by using the default passwords.

Please contact your IT department about details of password management and cyber security measures in your company. In particular the installation and regular update of anti-virus software needs to be implemented.

Per default the Windows Defender is installed and activated. Please ensure to update the windows system and the anti-virus software on regular basis.
3. Configuring the User Management for the MNS Digital Edge Gateway

This chapter explains possible adaptations of the user management for users of the pre-installed Edge Gateway:

- Create a new user
- Adding a new user
- Changing users
- Changing passwords by Windows remote desktop application.

3.1. Creating a New User for the Web Interface

To create a new user, you have to login as administrator. The following steps are describing the workflow how to create a new user with the role “operator”. An operator has the permissions to acknowledge alarms. It is also described how to give a user the role “Read Only” at the crucial steps. This user has no permission to acknowledge alarms.

<table>
<thead>
<tr>
<th>Step</th>
<th>Actions</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>• Login by remote desktop(^1) as administrator</td>
<td>The Password is provided from your ABB contact together with the MNS Digital Edge GW.</td>
</tr>
<tr>
<td>2</td>
<td>• Right click windows symbol “Computer Management”-Local Users and Groups”</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\)To access the windows operating system alternatively a monitor, keypad and mouse can be connected to the MNS Digital Edge Gateway

![Select Computer Management](Figure 1)
The computer management window will open

<table>
<thead>
<tr>
<th>Action</th>
<th>View</th>
<th>Help</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Full Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrator</td>
<td></td>
<td>Built-in account for</td>
</tr>
<tr>
<td>DefaultAccount</td>
<td></td>
<td>user account</td>
</tr>
<tr>
<td>EdgeGwAdmin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EdgeGwUser</td>
<td></td>
<td></td>
</tr>
<tr>
<td>guest</td>
<td></td>
<td>Built-in account for</td>
</tr>
<tr>
<td>rtdbpiets</td>
<td></td>
<td>ClientUpdate Access</td>
</tr>
<tr>
<td>TestUser</td>
<td></td>
<td>TestUser</td>
</tr>
</tbody>
</table>

Figure 2– Computer Management Window

### Step 3

- Right Click at “Users” – “New User…”
- Enter new user name, password, **Password never expires** and press Create and Close

Figure 3– Select “New User”
### Adding a New User

**Figure 4 – Add New User**

<table>
<thead>
<tr>
<th>Step</th>
<th>Actions</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Right click at “NewUser” and the properties page opens</td>
<td>Add user to rt db-operator group</td>
</tr>
<tr>
<td></td>
<td>Select tab “Member Of”</td>
<td>Creates a new user with role “Operator”</td>
</tr>
<tr>
<td></td>
<td>Press Add</td>
<td>Creates a new user with role “read only”</td>
</tr>
<tr>
<td></td>
<td>Enter “RTDB-operator” or “RTDB-readonly”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Press “check names” and Ok</td>
<td></td>
</tr>
</tbody>
</table>

**User Management Configuration for the MNS Digital Edge Gateway**

1. Right click at “NewUser” and the properties page opens
2. Select tab “Member Of”
3. Press Add
4. Enter “RTDB-operator” or “RTDB-readonly”
5. Press “check names” and Ok
Figure 5– Add user to “RTDB-operator” group

Figure 6– Add user to “RTDB-readonly” group
Figure 7—User added to “RTDB-operator” group
### 3.2. Changing the user Password

Due to cyber security reasons a user should change its own password from time to time. This could be done in following way:

<table>
<thead>
<tr>
<th>Step</th>
<th>Actions</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>• Login by remote desktop with user name and password</td>
<td>User login– Before user can login the administrator has to add user to Remote Desktop Users (Computer Management – Local Users and Groups – Remote Desktop Users).</td>
</tr>
</tbody>
</table>
| 2    | • Left click windows symbol – “Settings” – “Accounts” – Sign-in options”  
• Section Password – Press “Change” button  
• Enter current password, new password twice and hint  
• Press Next  
• Press Finish | Change current password |

![Figure 8– User Changes Own Password](image_url)
### 3.3. Changing the Password of Admin User

This chapter explains how to change password of the administrator user.

<table>
<thead>
<tr>
<th>Step</th>
<th>Actions</th>
<th>Remark</th>
</tr>
</thead>
</table>
| 1    | • Login by remote desktop with admin user name and password  
  Default is: EdgeGwAdmin– “PleaseChangeMe” | The Edge GW administrator user account is used for running the RTDB (Real Time Data Base)-Scheduler and some other services.  
  The name of the user account has been provided as a setup parameter during the installation.  
  The admin user must have administrator privileges (or other privileges for running as a service and accessing the database tables locally). |
| 2    | • Update the password in Windows  
  • Logout | “PleaseChangeMe”  ➔ own defined password |

---

*Figure 9– Change Password*
### Step 3
- Log on as Edge GW administrator and new password

### Step 4
- Stop RTDB

### Step 5
- Change password of admin user in the Windows vault entry “CPIMS/ADMIN”
  - Add generic credential “CPIMS/ADMIN” and “CPIMS/DBMIN” with new admin password

**Figure 10**– Logout by Disconnect Button
Manage your credentials
View and delete your saved logon information for websites, connected applications and networks.

Restoring Credentials

Windows Credentials
Add a Windows credential
No Windows credentials.

Certificate-Based Credentials
Add a certificate-based credential
No certificates.

Generic Credentials
Add a generic credential
No generic credentials.

Figure 11 – Generic Credential – Add Credentials

Figure 12 – Add CPIMS/ADMIN with new admin password
Figure 13– Add CPIMS/DBADMIN with new admin password

<table>
<thead>
<tr>
<th>Step</th>
<th>Actions</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Re-install the services:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Open an Admin Command Prompt and run following commands</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &quot;%app_root%\config\application\APP_INSTALL_Services /remove all&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Confirm with “Y”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• &quot;%app_root%\config\application\APP_INSTALL_Services /install all&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Figure 14– Uninstall Services
CONFIRMING THE USER MANAGEMENT FOR THE MNS DIGITAL EDGE GATEWAY

Figure 15 – Re-install Services

<table>
<thead>
<tr>
<th>Step</th>
<th>Actions</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>• Set the startup type of RTDB main service back to Automatic with command: <code>sc config &quot;RTDB D RTDBData&quot; start= auto</code></td>
<td>The &quot; characters are required.</td>
</tr>
</tbody>
</table>

Figure 16 – Set Service Start Type to “auto”

<table>
<thead>
<tr>
<th>Step</th>
<th>Actions</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Start RTDB</td>
<td></td>
</tr>
</tbody>
</table>
4. Network connectivity

The MNS Digital Edge Gateway is designed to be connected and to communicate information and data via a network interface, which should be connected to a secure network.

It is customer’s sole responsibility to provide and continuously ensure a secure connection between the MNS Digital Edge Gateway and Customer network or any other network (as the case may be).

The MNS Digital Edge Gateway has following service ports open on its Ethernet interfaces:

<table>
<thead>
<tr>
<th>Port</th>
<th>Service</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>443</td>
<td>https</td>
<td>WEB user-interface of ABB Ability™ Condition Monitoring for electrical systems</td>
</tr>
<tr>
<td>3389</td>
<td>RDP</td>
<td>Windows remote login, e.g. used for the above described user password management</td>
</tr>
</tbody>
</table>

Customer shall establish and maintain appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of antivirus programs, etc.) to protect the MNS Digital Edge Gateway, the network, its system and interfaces against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information.

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5. Troubleshooting

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No access to Condition Monitoring web page</td>
<td>Check if the correct IP address has been entered in the address bar of the web browser.</td>
</tr>
<tr>
<td></td>
<td>Check if the MNS Digital Edge Gateway is powered on and no fault is indicated by the front LEDs.</td>
</tr>
<tr>
<td></td>
<td>Ping the IP address of the MNS Digital Edge Gateway from the Web client PC</td>
</tr>
<tr>
<td>No login possible</td>
<td>Check if correct user name and password has been entered</td>
</tr>
</tbody>
</table>
# Revision History

<table>
<thead>
<tr>
<th>Rev.</th>
<th>Page</th>
<th>Change Description</th>
<th>Date / Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>M0201</td>
<td>all</td>
<td>Initial release</td>
<td>2018-04-11 EPDS/KGM</td>
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</tbody>
</table>