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1. VBox Web Login

The PROTEAN VBox is a simple and cost effective vehicle management system, eliminating the need to maintain a separate database/server. To access web page, open Google Chrome (or any other web browser) and type 192.168.1.12:10000.

To log in to the VBox web page enter the user name and password.

**User Id:** By default setup, the User Id provided is admin

**Password:** By default setup, the password provided to the system is ‘Password’

On logging in, user will reach the following home page.
2. Settings

Settings feature allows configuration of the Vbox device. Here the user can undertake various functions required to establish real time network communication such as assigning IP address, setting date and time of the controller, changing the password, defining facility code and system configuration.

Click on the settings tab to reach the following screen:

2.1 Network Settings

Network settings allow the user to configure the network for communication. The MAC Address and IP Address helps in identification of the VBox device. Here the user can also define the default gateway and DNS servers.

On selecting network settings, the following page will appear.
Enter the required details and click on **Submit**

**2.2 Date Time Settings**

In this section, the user can set the date and time of the real time controller.

Click on Date Time, for the following screen to appear.

Enter the date and time details and click on Submit to set the date and time.

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2.3 Change Password

As suggested by the name, here the user can change the existing password.

Selecting change password will take us to the following screen.

Enter the old password, enter a new password, confirm new password and click on Submit.

2.4 Facility Code

Facility codes are unique identification number allotted to particular facilities. Without facility code, the user will not be able to issue tag to any vehicles. VBox supports 26 bit tag. This will allow the user to configure 256 facility codes to the system.

Select Facility Code from the drop down list.
The following page will appear.

Now, select the desired facility code that will be assigned.

Click on Add or Delete to add or delete the facility code respectively.
2.5 System Configuration

In degradation mode, users do not need to enroll their vehicles into the system. Access will be provided based on the facility code defined in the system. This makes the implementation easier and faster.

Select System Config.

The following page will appear.
Here the user is provided with the option to ignore cards with unknown facility code (Select Yes/No). If it is selected as Yes, the system will provide access to vehicles with unknown facility code.

The user is also provided with the option for degradation mode (Select Yes/No). In case the degradation mode is selected as Yes, the user will not need to enroll tag/vehicles into the system. Access may be provided only on the basis of facility codes.

3. Vehicle

In this segment, the user can add/edit and view details related to vehicles, such as registration number, name and contact details of owner etc.

Click on vehicle tab in the menu. The following page will appear.

Click on Add New tab for adding a new vehicle into the system.

Next, enter the required details and click on Submit.
The user can also search for particular vehicles by selecting the search criteria from the dropdown list and entering the details. The following search criteria are available:

- Reg. No.
- Owner ID
- Owner Name
- Tag ID
- Facility Code
- Custom Field1
- Custom Field 2

To edit a vehicle, search for it in the search criteria.
The following page will appear.

4. Device

In this section the user can configure VBox Devices and the readers.

Click on Device to reach the following page.
To configure the device, click on Edit. Now, we will reach the following page.

Fill in the required details. Enter the MAC address and Controller name. If Card In-Card Out is selected as yes, then only one reader is needed for both entry and exit. However, both reader 1 and reader 2 must be defined in the system. The grant access time will be of reader 1.

Enter the reader type from the drop down list and click on Submit to save the details.

The controller information entered in this section can be viewed by clicking on View. The following page will appear.
As seen here, the user can avail the details related to various task status of the controllers (Reader task, Monitoring task, Web serve) etc. Additionally, total numbers of cards available in the system and total vehicles are also displayed.

5. Report

In the Reports section, user can generate the various types of reports including Daily Access, Individual Access, Vehicle Access, Tag Details and Readers Details. Click on Reports in the menu.

5.1 Daily Access Report

Daily access report will provide detailed account of events that have occurred daily between the selected dates. The report includes the type of event, location and time of occurrence, registration number of the vehicle, Type of reader (In/Out), Tag Id, Facility Code, Name and contact number of the owner.
Click on Daily Access in the drop down list to reach the following page.

Select the Start and End date. Select the Event Type. Click on Export to receive the report.
5.2 Individual Access Report

Individual Access Report provides the details of individual vehicles between the selected dates. First the details of one vehicle will be displayed for the selected dates, then the details of the next vehicles will be displayed and so on.

Select Individual Access from the menu bar.

Select the Start and End dates. Select the Event type and click on Export.

5.3 Vehicle Details Report

Here the user can find all the details of vehicles including their Tag Id, Facility Code, Registration Number, Date of issue and expiry of the tag, Name and contact details of owner.

Click on Vehicle details.

The following page will appear.
Here the user can avail report of vehicles with active tags, vehicles with expired tags, vehicles with issued tags and also vehicles that are registered but tags are not issued. Select the desired type and click on Export Report.

5.4 Tag Details Report
As suggested by the name, this section provides the details of all the tags available in the system, including tags that have been issued, active tags and expired tags. The report generated contains details of Facility Code, Date of issue and expiry of tags, Registration number of the vehicle, Owner’s details and contact number.

On selecting Tag Details, we will reach the following page.

Now, select the type of tags whose report has to be generated and click on Export Report.
5.5 Reader Details Report

As stated by the name, this section provides details of the connected reader, including Vehicles registration Id, Tag Id, Event type, Time of event and Owner’s details.

Click on Reader Details.

The following page will appear.

Select the Start and End Date. Select reader name from the drop down list and click on Export.

6. Dashboard

The dashboard provides a compact view of all the events with the respective readers where the events have occurred. The date and time of event occurrence, registration number of the vehicle and tag Id are also visible in the dashboard.
Select Dashboard to reach the following page.

<table>
<thead>
<tr>
<th>What</th>
<th>Where</th>
<th>When</th>
<th>Req No</th>
<th>Tag Id</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant access - Degraded Mode</td>
<td>Right</td>
<td>5/16/2018 5:00:16 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant access - Degraded Mode</td>
<td>Right</td>
<td>5/16/2018 5:09:11 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant access - Degraded Mode</td>
<td>Right</td>
<td>5/16/2018 5:06:06 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant access - Degraded Mode</td>
<td>Right</td>
<td>5/16/2018 5:09:01 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant access - Degraded Mode</td>
<td>Left</td>
<td>5/16/2018 9:29:27 AM</td>
<td>0 - 0</td>
<td></td>
</tr>
<tr>
<td>Grant access - Degraded Mode</td>
<td>Left</td>
<td>5/16/2018 9:24:31 AM</td>
<td>0 - 0</td>
<td></td>
</tr>
<tr>
<td>Grant access - Degraded Mode</td>
<td>Left</td>
<td>5/15/2018 1:10:04 PM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deny access - Credential not found</td>
<td>Left</td>
<td>5/15/2018 12:38:01 PM</td>
<td>9317 - 10</td>
<td></td>
</tr>
<tr>
<td>Deny access - Credential not found</td>
<td>Left</td>
<td>5/15/2018 12:36:57 PM</td>
<td>9317 - 10</td>
<td></td>
</tr>
<tr>
<td>Deny access - Credential not found</td>
<td>Left</td>
<td>5/15/2018 12:36:51 PM</td>
<td>9317 - 10</td>
<td></td>
</tr>
<tr>
<td>Deny access - Credential not found</td>
<td>Left</td>
<td>5/15/2018 12:30:35 PM</td>
<td>9317 - 10</td>
<td></td>
</tr>
<tr>
<td>Deny access - Credential not found</td>
<td>Left</td>
<td>5/15/2018 12:29:12 PM</td>
<td>9317 - 10</td>
<td></td>
</tr>
<tr>
<td>Grant access</td>
<td>Left</td>
<td>5/15/2018 10:44:42 AM</td>
<td>AP 09 K 1436</td>
<td>63525 - 16</td>
</tr>
<tr>
<td>Deny access - First active</td>
<td>Left</td>
<td>5/15/2018 10:44:00 AM</td>
<td>AP 09 K 1436</td>
<td>63525 - 16</td>
</tr>
</tbody>
</table>
7. Logout

To sign out from the system, click on Logout.