



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Beyonics
Precision. Driven.

Industrial Training at

***Beyonics Precision Malaysia
Sdn.Bhd.***

By **Kabilashwaran A/L Selvarajan (A20EC0055)**

Supervised by **Mr. Vasanthan A/L Subramaniam**
and **Dr. Zuriahati Mohd Yunos**

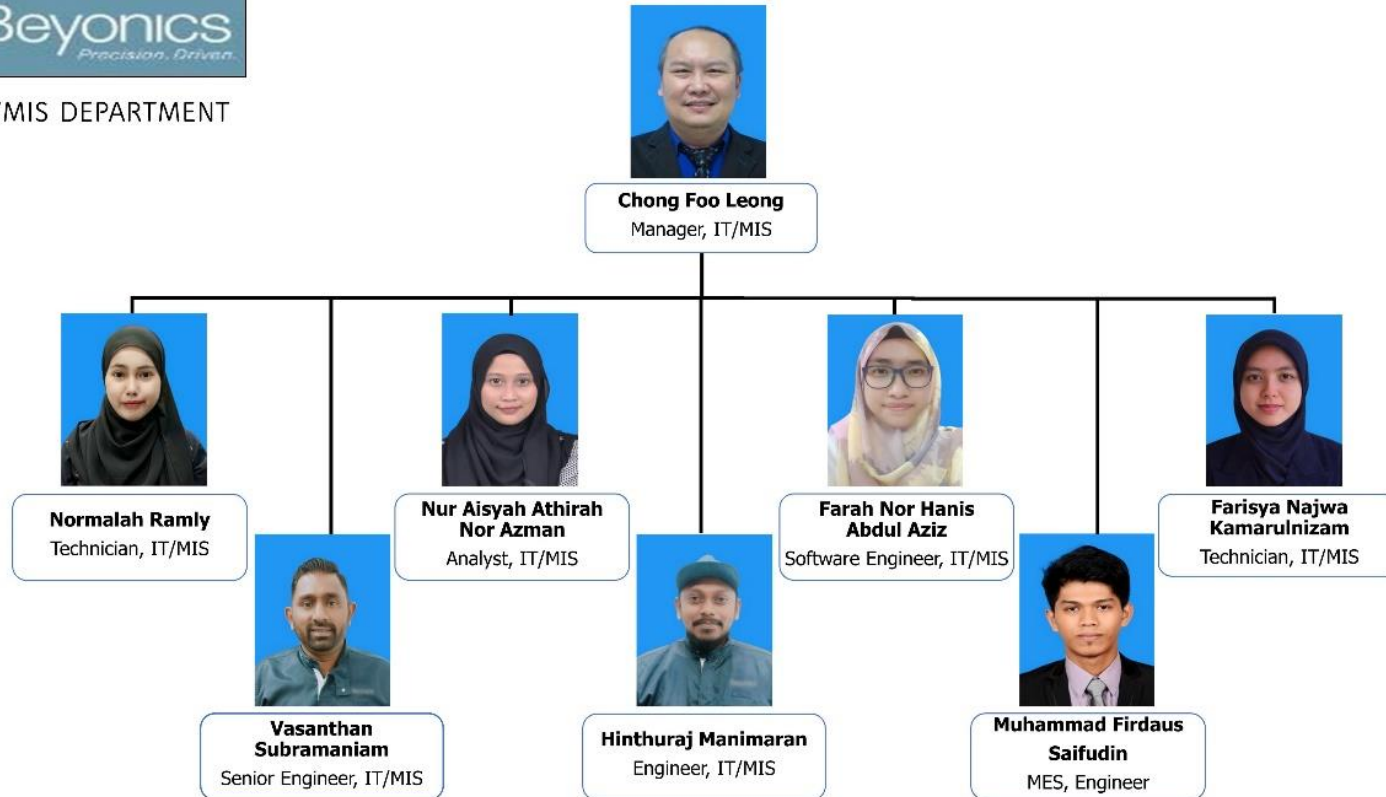
About the *company*

- Beyonics Pte Ltd, which was established in 1981 and has its headquarters in Singapore.
- Beyonics iPark was opened in 2015 at Indahpura iPark, Johor, Malaysia.
- The campus manufactures precision-engineered components with extensive expertise in tool design & fabrication, plastic injection molding, aluminium die casting, precision machining, polymer compounding, PCBA, product assembly and associated value adding processes.
- Beyonics iPark specializes in providing customized technical solutions by working together with its customers to analyse product design, offer material and manufacturing solutions, and implement optimized production and supply chain programs to fulfil customers' specific needs.

The *team*



IT/MIS DEPARTMENT



*Firewall Optimization
and*

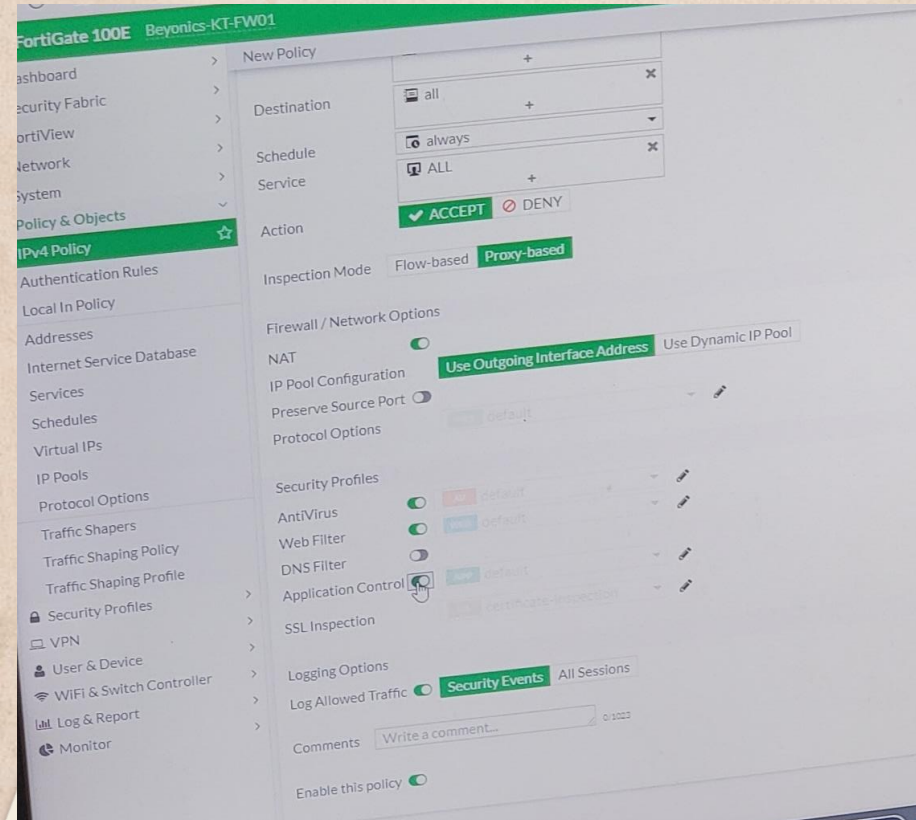
Network Enhancement project

Firewall Optimization and Network Enhancement project

Project Objective

- Reduce the network operational costs by transitioning from MPLS to IPSec Tunnel.
- Implement SD-WAN load balancing method to optimize network performance.
- Distribute the network traffic equally across the network for enhanced resource utilization.
- Configure and integrate PPPOE for flexible and secure connectivity.
- Align security policies with industry best practices and address emerging cybersecurity challenges.
- Enhance the overall agility and robustness of the network infrastructure.
- Position the network for future scalability and adaptability.

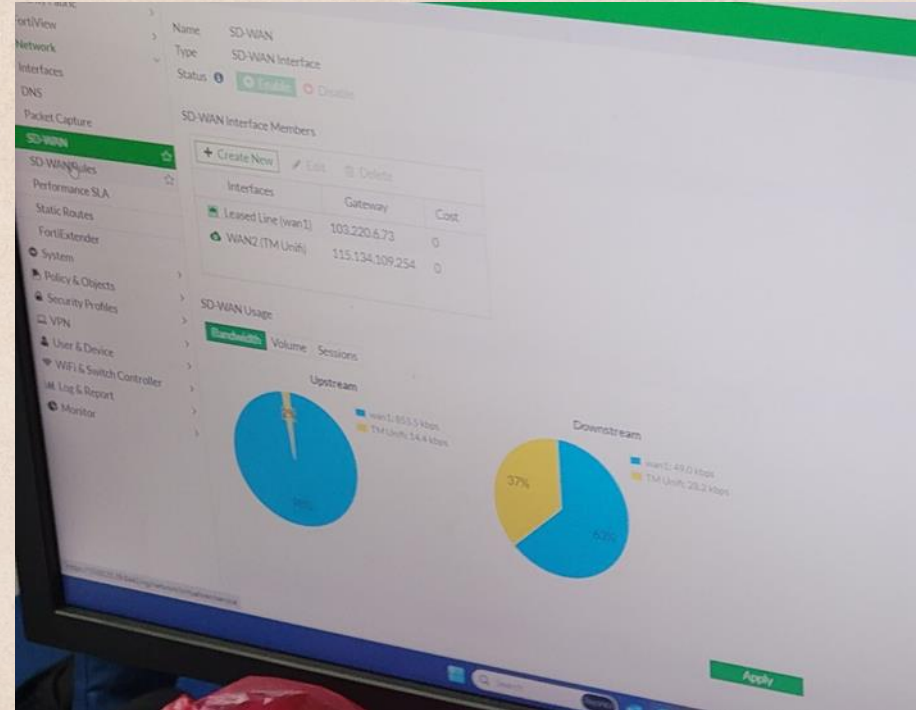
Firewall Optimization and Network Enhancement project



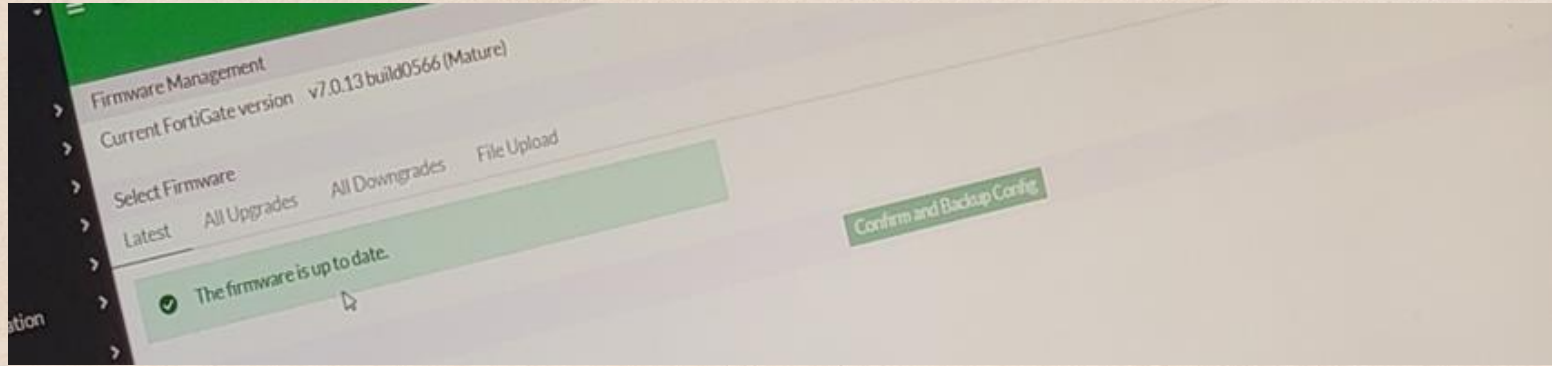
IPv4 Policy Configuration Page

IPv4 policies are applied with incoming and outgoing interface, source and destination, action, inspection mode, security policies, and logging.

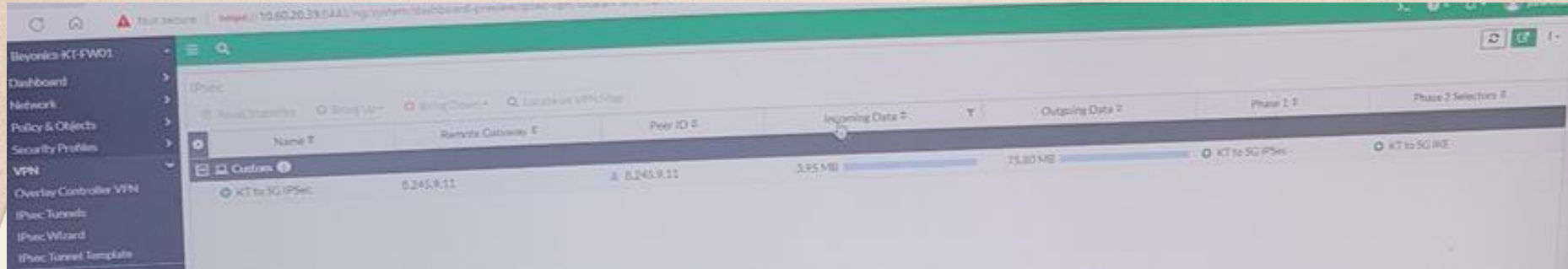
Load balancing configuration



Firewall Optimization and Network Enhancement project

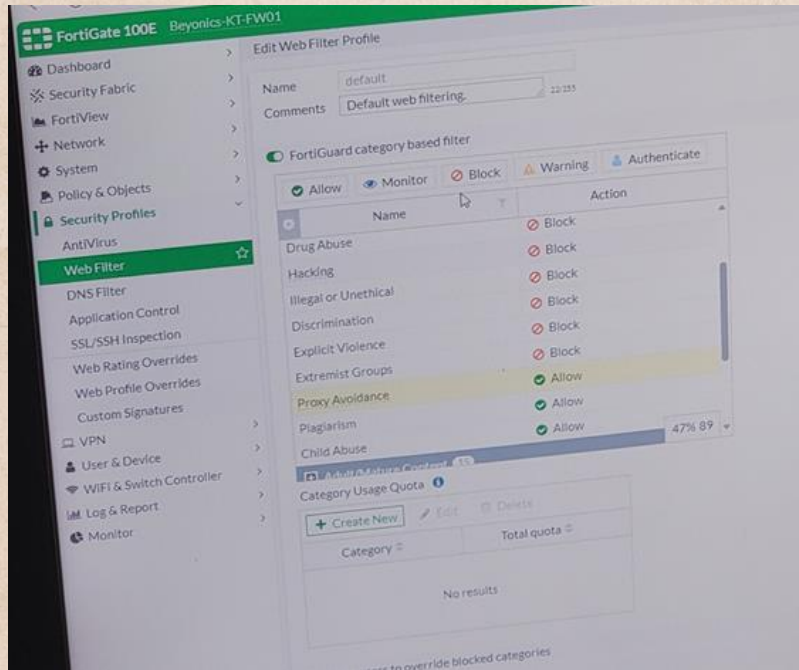


Firewall update



IP Sec Tunneling

Firewall Optimization and Network Enhancement project

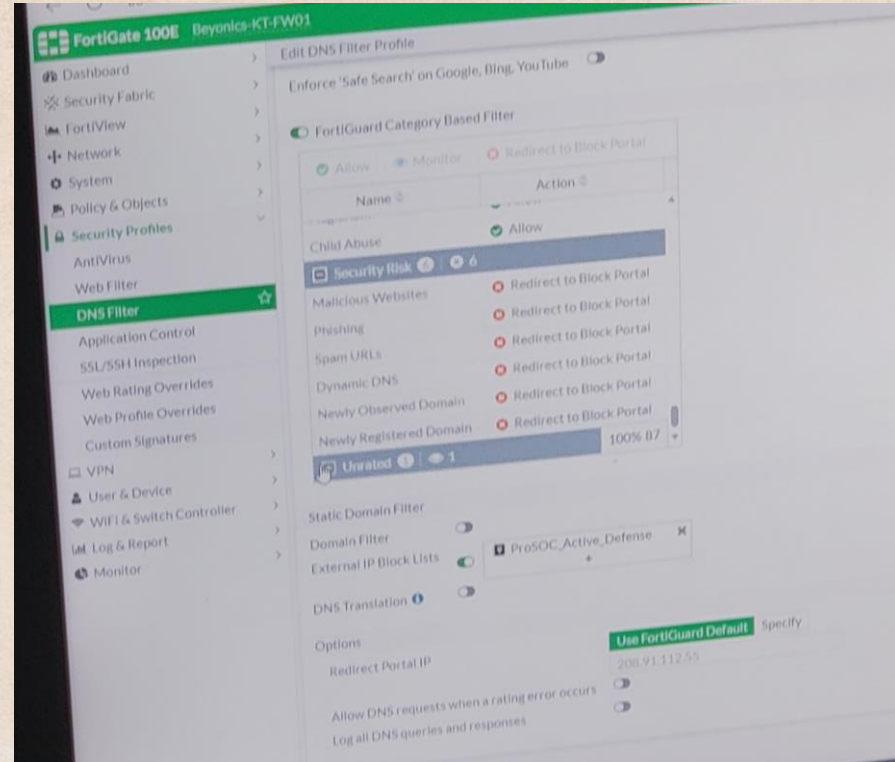


Web Filter configuration

In web filter, there was a category-based filter for the website where we can configure to allow, monitor or block the websites based on the categories.

DNS Filter configuration

DNS filtering also set which also has categories and subcategories-based filtering with allow, monitor, and block options.



Configuration of Cisco Switch

Configuration of Cisco Switch

- Configure Cisco 2960 Switch for the production area replacing an unmanaged switch
- Recover the password of the switch without losing the configuration

```
COM3 - PuTTY
-----
Would you like to enter the initial configuration dialog? [yes/no]: n
Switch>en
Switch#rename flash:config.old flash:config.text
Destination filename [config.text]?
Switch#dir flash:
Directory of flash:/

 2  -rwx      616  Mar 1 1993 00:00:34 +00:00  vlan.dat
 3  -rwx     1726  Mar 1 1993 00:05:24 +00:00  config.text
 4  -rwx     1919  Mar 1 1993 00:05:24 +00:00  private-config.text
 5  drwx      192  Mar 1 1993 00:09:15 +00:00  c2960-lanbasek9-mz.122-50.
SE5
560 drwx       64  Mar 1 1993 00:00:03 +00:00  lost+found
563 -rwx     2072  Mar 1 1993 00:00:03 +00:00  multiple-fs

32614048 bytes total (20947968 bytes free)
Switch#copy flash:config.text system:running-config
Destination filename [running-config]?
% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]
*Mar 1 00:02:54.759: %LINK-5-CHANGED: Interface Vlan1, changed state to administratively down
*Mar 1 00:02:55.053: %SSH-5-ENABLED: SSH 1.99 has been enabled
```

```
COM3 - PuTTY
interface FastEthernet0/24
switchport access vlan 128
switchport mode access
spanning-tree portfast

interface GigabitEthernet0/1
switchport trunk native vlan 128
switchport trunk allowed vlan 128
switchport mode trunk

interface GigabitEthernet0/2
switchport trunk native vlan 128
switchport trunk allowed vlan 128
switchport mode trunk

interface Vlan1
no ip address
no ip route-cache
shutdown

interface Vlan128
ip address 10.38.31.254 255.255.252.0
no ip route-cache

ip default-gateway 10.38.1.254
no ip http server
ip http secure-server
no logging trap

!
control-plane
banner motd ^C

*****
* Welcome to Beyonics Technology (iPark) Sdn Bhd
* This is Cisco Catalyst 2960 series switch.
* Unauthorized access not permitted!
*****

^C
!
line con 0
```


*Web Development for
Inventory Management
System*

Web Development for Inventory Management System

Inventory Management System

Welcome

USERNAME

PASSWORD

LOGIN

Beyonics
Precision Driven

Login page of the system

```
<div class="container-fluid">
<div class="row">
    <div class="col-sm-2" style="position: absolute; top: -175px; right: 20px;">
        
    </div>
    <div class="col-sm-4">
        <div class="left">
            <h1 id="Beyonics_name" >Inventory</h1>
            <h3 id="tagline" >Management System</h3>
        </div>
    </div>
    <div class="col-sm-6">
        <div class="right">
            <h1 id="Welcome">Welcome</h1>
            <h1 id="instruction"></h1>
            <form action="actions/login.php" method="post">
                <input name="uname" type="text" class="field" placeholder="USERNAME" required><br>
                <input name="pword" type="password" class="field" placeholder="PASSWORD" required><br>
                <div class="col text-center">
                    <button class="btn btn-default" id="login_btn">LOGIN</button>
                </div>
            </form>
        </div>
    </div>
</div>
</div>

<include('include/footer.php');?>
```

Web Development for Inventory Management System

Inventory Management System

Dashboard

Devices Stock

Manage

Recycle Bin

Settings

Log out

Dashboard

3
Total Given

3
Total Return

Given Devices

Show

3

 entries

Search:

Devices	User	Given Date
DELL MOUSE	TAN CHEN	2024-01-23
DELL OPTIPLEX 3050	KABI	2024-01-23
DELL OPTIPLEX 3050	FARISYA	2024-01-23

Showing 1 to 3 of 3 entries

Previous

1

Next

Return Devices

Show

3

 entries

Search:

Devices	User	Return Date
DELL MOUSE	TAN CHEN	2024-01-23
DELL OPTIPLEX 3050	KABI	2024-01-23
DELL OPTIPLEX 3050	FARISYA	2024-01-23

Showing 1 to 3 of 3 entries

Previous

1

Next

The dashboard page

```
<?php $page = 'dashboard'; include('../include/header.php');>
<?php include('../include/navbar.php');?>
<?php include('../database/db.php');?>
<link href='../css/dashboard.css" rel="stylesheet" type="text/css" />

<body>
<div class="container">
  <div class="row dashboard">
    <div class="col-sm-12">Dashboard</div>
  </div>
  <div class="row analytics">
    <div class="col-sm-4">
      <div class="card-group">
        <div class="card">
          <div class="card-body">
            <img src='../img/givensss.png" class="col-sm-3" alt="" id="icon">
            <?php

            $sql = "SELECT * FROM clientorder";
            If ($result=mysqli_query($conn,$sql)) {
              $rowcount=mysqli_num_rows($result);}
            <p class="card-text"><?php echo "<span id='supplier'> $rowcount </span>" . "<br>";
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```

Web Development for Inventory Management System

Beyonics

Inventory Management System

Dashboard

Devices Stock

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Recycle Bin

Settings

Log out

Device List

PDF CSV Add

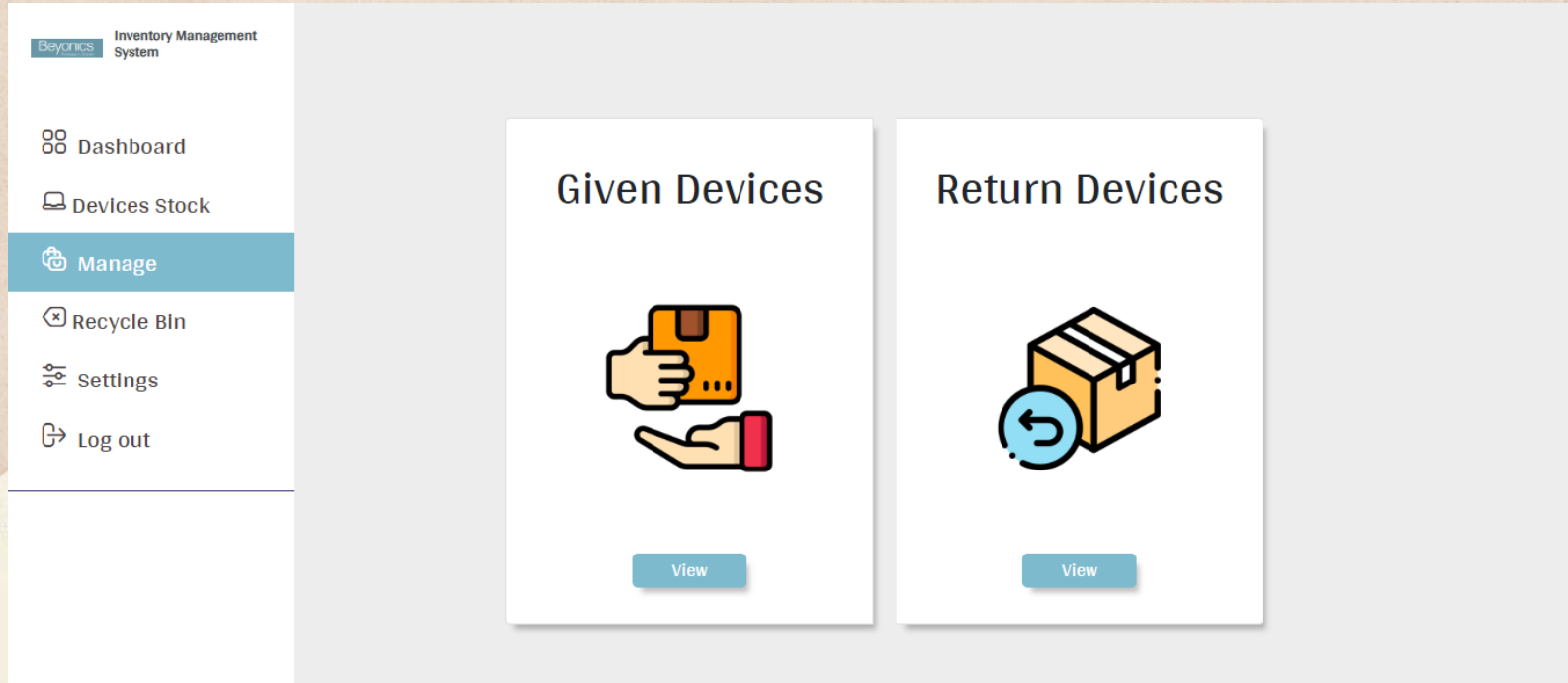
Show 10 entries

Search:

Device Name	Total Quantity	Available Quantity	Action
AOC 22 INCH MONITOR	12	12	Add StockDELETE
DELL 23 INCH MONITOR	15	15	Add StockDELETE
DELL KEYBOARD	18	18	Add StockDELETE
DELL MOUSE	23	23	Add StockDELETE
DELL OPTIPLEX 3050	15	15	Add StockDELETE
DELL OPTIPLEX 3070	10	10	Add StockDELETE
DELL OPTIPLEX 3080	16	16	Add StockDELETE
HIKVISION CAT6 UTP CABLE BOX	10	10	Add StockDELETE

Devices Stock page

Web Development for Inventory Management System



Manage Page

Web Development for Inventory Management System

Bayonics Inventory Management System

Dashboard

Devices Stock

Manage

Recycle Bin

Settings

Log out

List of Given Devices

PDF CSV Add

Show 10 entries Search:

Device	Quantity	User	BadgeID	User Type	Department	Division	Given Date	Given By	Remark	Action
DELL MOUSE	1	TAN CHEN	12453	EXISTING U	LOGISTIC	PLASTIC	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	FARISYA	12932	EXISTING U	IT	SHARE SERVICE	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	KABI	13434	EXISTING U	FINANCE	PCBA	2024-01-23	ADMIN		Edit

Showing 1 to 3 of 3 entries Previous 1 Next

Given Devices Page

Bayonics Inventory Management System

Dashboard

Devices Stock

Manage

Recycle Bin

Settings

Log out

List of Given Devices

PDF CSV Add

Show 10 entries Search:

Device	Quantity	User	BadgeID	User Type	Department	Division	Given Date	Given By	Remark	Action
DELL MOUSE	1	TAN CHEN	12453	EXISTING U	LOGISTIC	PLASTIC	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	FARISYA	12932	EXISTING U	IT	SHARE SERVICE	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	KABI	13434	EXISTING U	FINANCE	PCBA	2024-01-23	ADMIN		Edit

Showing 1 to 3 of 3 entries Previous 1 Next

Fill In the details

Name

BadgeID

Department

Select Division

Select User Type

Item 1:

TP-LINK ARCHER TX20U WI-FI ADAPTER

Quantity

Available Quantity 25

Remark

Save

Web Development for Inventory Management System

Bayonics

Inventory Management System

Dashboard

Devices Stock

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Settings

Log out

List of Return Devices

PDF CSV Add

Show 10 entries Search:

Device	Quantity	User	BadgeID	Department	Division	Return Date	Received By	Remark	Action
DELL MOUSE	1	TAN CHEN	12453	LOGISTIC	PLASTIC	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	FARISYA	12932	IT	SHARE SERVICE	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	KABI	13434	FINANCE	PCBA	2024-01-23	ADMIN		Edit

Showing 1 to 3 of 3 entries Previous 1 Next

Return Devices Page

Bayonics

Inventory Management System

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Settings

Log out

List of Return Devices

PDF CSV Add

Show 10 entries Search:

Device	Quantity	User	BadgeID	Department	Division	Return Date	Received By	Remark	Action
DELL MOUSE	1	TAN CHEN	12453	LOGISTIC	PLASTIC	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	FARISYA	12932	IT	SHARE SERVICE	2024-01-23	ADMIN		Edit
DELL OPTIPLEX 3050	1	KABI	13434	FINANCE	PCBA	2024-01-23	ADMIN		Edit

Showing 1 to 3 of 3 entries Previous 1 Next

Add Return Devices

TAN CHEN

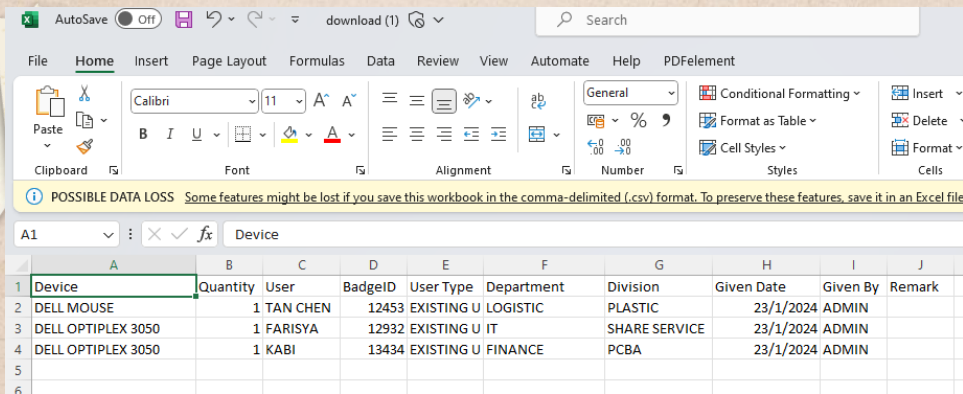
TP-LINK ARCHER TX20U WI-FI ADAPTER

Quantity

Remark

Save

Web Development for Inventory Management System



AutoSave Off download (1) Search

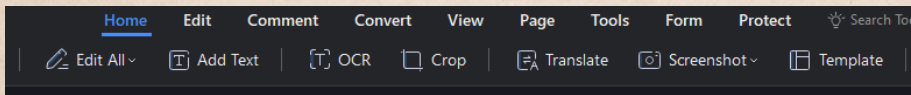
File Home Insert Page Layout Formulas Data Review View Automate Help PDFelement

Paste Clipboard Font Alignment Number Styles

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file

A1 Device

	A	B	C	D	E	F	G	H	I	J
1	Device	Quantity	User	BadgeID	User Type	Department	Division	Given Date	Given By	Remark
2	DELL MOUSE	1	TAN CHEN	12453	EXISTING U	LOGISTIC	PLASTIC	23/1/2024	ADMIN	
3	DELL OPTIPLEX 3050	1	FARISYA	12932	EXISTING U	IT	SHARE SERVICE	23/1/2024	ADMIN	
4	DELL OPTIPLEX 3050	1	KABI	13434	EXISTING U	FINANCE	PCBA	23/1/2024	ADMIN	
5										
6										



Home Edit Comment Convert View Page Tools Form Protect Search To

Edit All Add Text OCR Crop Translate Screenshot Template

Given Devices

Device	Quantity	User	BadgeID	User Type	Department	Division	Given Date	Given By	Remark
Dell Mouse	1	Tan Chen	12453	Existing U	logistic	Plastic	2024-01-23	admin	
Dell Optiplex 3050	1	Farisya	12932	Existing U	it	Share Service	2024-01-23	admin	
Dell Optiplex 3050	1	Kabi	13434	Existing U	Finance	PCBA	2024-01-23	admin	

Generated CSV and PDF files from table

```
php > viewProductPage.php > html
77
78 <script>
79 function exportCSVExcel() {
80     var tableElement = document.getElementById("product_list");
81     var sourceData = "data:text/csv;charset=utf-8,";
82     var i = 0;
83     while (row = tableElement.rows[i]) {
84         sourceData += ([
85             row.cells[0].innerText,
86             row.cells[1].innerText,
87             row.cells[2].innerText
88         ]).join(",") + "\r\n";
89         i++;
90     }
91     window.location.href = encodeURIComponent(sourceData);
92 }
93
94
95 </script>
96
97
98 <script>
99     function exportPdf(){
100         var doc = new jsPDF('p', 'pt');
101         doc.text("Given Devices", 40, 50);
102         var res = doc.autoTableHtmlToJson(document.getElementById("product_list"));
103         var columns = [res.columns[0], res.columns[1], res.columns[2]];
104         doc.autoTable(columns, res.data, {startY: 60});
105         doc.save('DevicesList.pdf');
106     }
```

Web Development for Inventory Management System

Recycle Bin Page

Beyonics

Inventory Management System

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Devices Stock

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Recycle Bin

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Log out

Devices Bin

Show 10 entries

Search:

Device Name	Total Quantity	Available Quantity	Action
CISCO CATALYST 2950-X	12	12	RESTORE DELETE

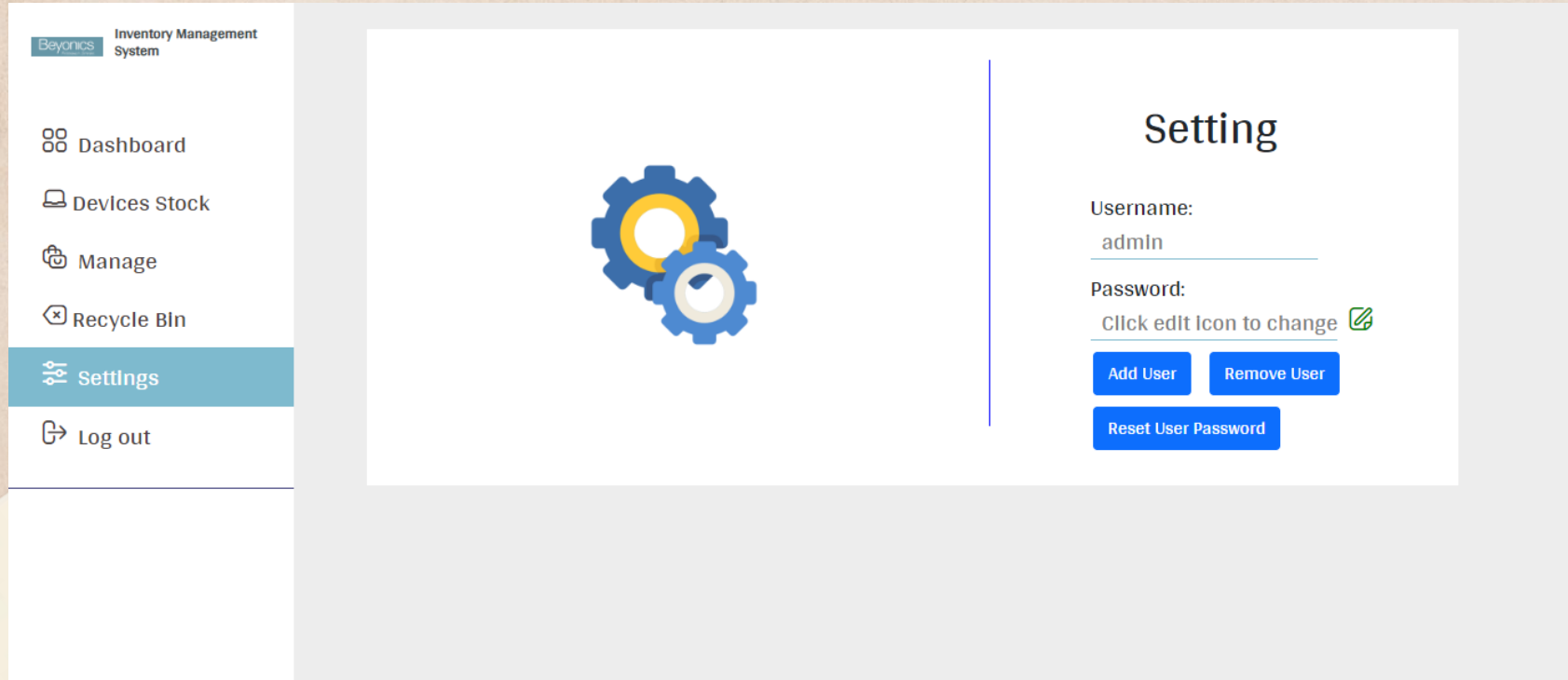
Showing 1 to 1 of 1 entries

Previous

1

Next

Web Development for Inventory Management System



Settings Page

Web Development for Inventory Management System

Inventory Management System

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Recycle Bin

Settings

Log out



Password must contain the following:

- ✓ A lowercase letter
- ✗ A capital (uppercase) letter
- ✗ A number
- ✗ Minimum 8 characters

Add User

Username:

Password:

User Type:

☐ Admin ☐ Member

Add User

Add User Page

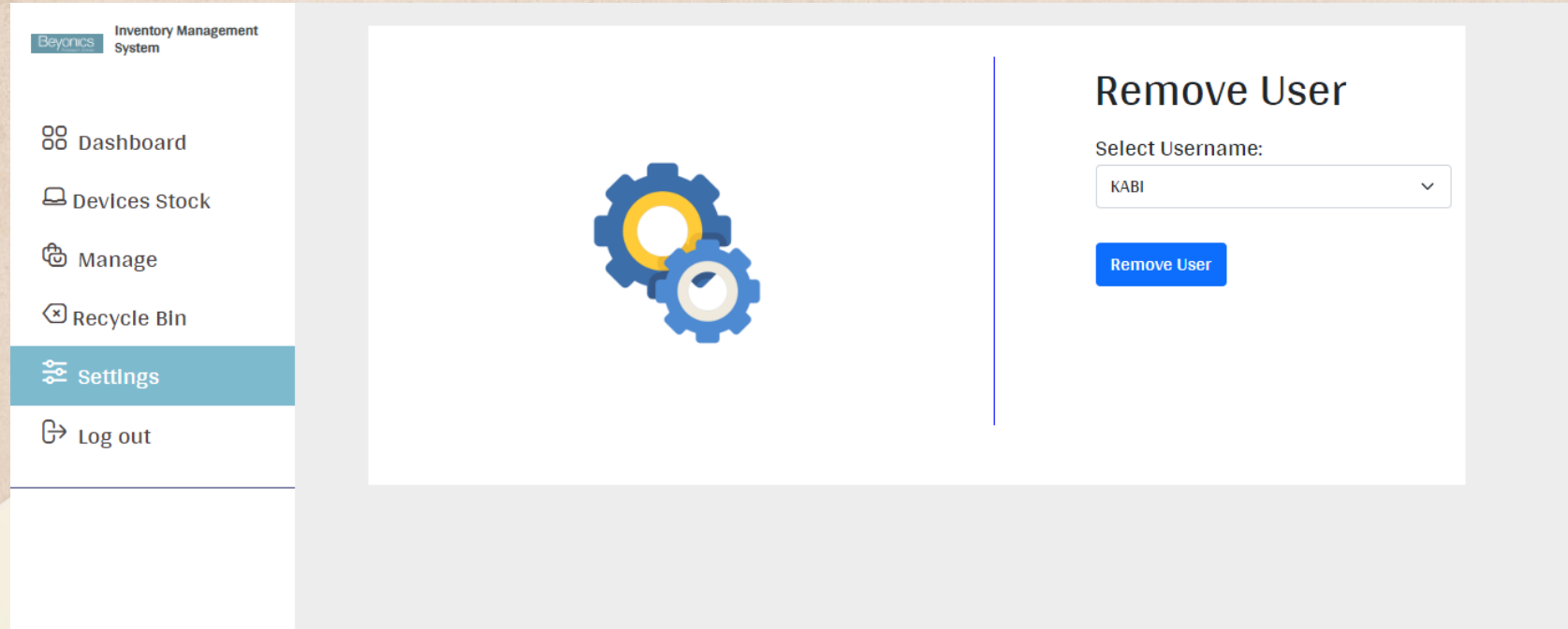
```
<div id="message">
  <h3 style="font-size: 15px;">Password must contain the following:</h3>
  <p id="letter" class="invalid">A <b>lowercase</b> letter</p>
  <p id="capital" class="invalid">A <b>capital (uppercase)</b> letter</p>
  <p id="number" class="invalid">A <b>number</b></p>
  <p id="length" class="invalid">Minimum <b>8 characters</b></p>
</div>
```

```
<script>
var myInput = document.getElementById("password");
var letter = document.getElementById("letter");
var capital = document.getElementById("capital");
var number = document.getElementById("number");
var length = document.getElementById("length");

// When the user clicks on the password field, show the message box
myInput.onfocus = function() {
  document.getElementById("message").style.display = "block";
}

// When the user clicks outside of the password field, hide the message box
myInput.onblur = function() {
  document.getElementById("message").style.display = "none";
}
```

Web Development for Inventory Management System



Remove User Page

Web Development for Inventory Management System

Bayones

Inventory Management System

Dashboard

Devices Stock

Manage

Recycle Bin

Settings

Log out



Reset Password

Select Username:

KABI

New Password:

Reset User Password

Password must contain the following:

- ✓ A lowercase letter
- ✗ A capital (uppercase) letter
- ✗ A number
- ✗ Minimum 8 characters

Reset Password Page

```
<form action="../actions/updateemppassword.php" onsubmit="myFunction()" method="post">
<br><br>    <div>

        Select Username:|
        <?php
        $Sql = "SELECT * FROM users WHERE UserName !='admin' ";
        $Result = $conn->query($Sql);
        ?>

        <select style="text-transform: uppercase" class="form-select" name="user">
        <?php if ($Result->num_rows > 0): ?>
        <?php while($row = $Result->fetch_assoc()): ?>
            <option value="<?php echo $row["UserName"]?>"> <?php echo $row["UserName"]?> </option>

        <?php endwhile; ?>
        <?php endif; ?>
        </select>
    </div>

    New Password:
    <input name="password" id="password" type="password" class="form-control"
    placeholder="New Password"
    required pattern="(?!.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}"
    style="position: absolute; top: 223px; right: 120px;" class="bi bi-eye-slash" id="togglePassword"></i>
    </div>
```

Web Development for Inventory Management System

Security Measures

```
$stmt = $conn->prepare("SELECT * FROM users WHERE UserName = ?");  
$stmt->bind_param("s",$uname);  
$stmt->execute();  
$result = $stmt->get_result();  
$data = $result->fetch_assoc();
```

stmt bind_param prepared statement to prevent
SQL injection

```
$uname = mysqli_real_escape_string($conn, $_POST['uname']);  
  
= mysqli_real_escape_string($conn, md5($_POST['pword']));
```

```
$sanitizeduname=htmlspecialchars($uname);  
$sanitizedpword=htmlspecialchars($pword);
```

mysqli_real_escape_string function to
prevent SQL injection

htmlspecialchars to prevent cross-site scripting
(XSS) attacks

Web Development for Inventory Management System

Security Measures

```
<?php
$username = $_POST['uname'];
$password = md5($_POST['pword']);
```

MD5 hashing for password

```
while($data) {
    $usernamefromdb = $data["UserName"];
    $passwordfromdb = $data["UserPassword"];
    $usertype = $data["Usertype"];

    if($usernamefromdb == $sanitizeduname){
        if($passwordfromdb == $sanitizedpassword){
            session_start();
            session_regenerate_id(true);
            $_SESSION["user"] = $usernamefromdb;
```

session_regenerate_id to prevent session
fixation attacks

*Upgrade the Cisco Switch
firmware*

Upgrade the Cisco Switch firmware

```
COM3 - Tera Term VT
File Edit Setup Control Window Help

Boot Sector Filesystem (bs) installed, fsid: 2
Base ethernet MAC Address: 2c:36:f8:39:e9:80
Xmodem file system is available.
The password-recovery mechanism is enabled.

The system has been interrupted prior to initializing the
flash filesystem. The following commands will initialize
the flash filesystem, and finish loading the operating
system software:

    flash_init
    boot

switch: set BAUD 115200

switch: copy xmodem: flash:c2960-lanbasek9-mz.150-2.SE11.bin
```

Use Xmodem protocol to transfer firmware

```
COM3 - Tera Term VT
File Edit Setup Control Window Help

usage: flash_init
switch:
switch: Tera Term: XMODEM Send
Unknown
switch:
switch: Initia
switch: flash:
switch: flash:
switch: flash:
switch: flash:
switch: flash:
switch: ...don
switch:
switch:
switch:
switch: copy xmodem: flash:c2960-lanbasek9-mz.150-2.SE11.bin
Begin the Xmodem or Xmodem-1K transfer now...
```

Field	Value
Filename:	c2960-lanbasek9-mz.1
Protocol:	XMODEM (CRC)
Packet#:	1193
Bytes transferred:	152704
Elapsed time:	0:20 (7.40KB/s)
Progress	1.3%

Upgrade the Cisco Switch firmware

```
COM3 - Tera Term VT
File Edit Setup Control Window Help

flashfs[0]: 0 orphaned files, 0 orphaned directories
flashfs[0]: Total bytes: 32514048
flashfs[0]: Bytes used: 23405568
flashfs[0]: Bytes available: 9108480
flashfs[0]: flashfs fsck took 12 seconds.
...done Initializing Flash.

switch: dir flash:
Directory of flash:/

 2  -rwx  616      <date>      vlan.dat
 3  -rwx  4618     <date>      config.text
 4  -rwx  5144     <date>      multiple-fs
 5  drwx  192     <date>      c2960-lanbasek9-mz.122-50.SE5
560 drwx   64     <date>      lost+found
562 -rwx  1919     <date>      private-config.text
563 -rwx 11832960 <date>      c2960-lanbasek9-mz.150-2.SE11.bin

9108480 bytes available (23405568 bytes used)

switch: set BOOT flash:c2960-lanbasek9-mz.150-2.SE11.bin

switch: boot
Loading "flash:c2960-lanbasek9-mz.150-2.SE11.bin"...
```

Booting system from latest firmware

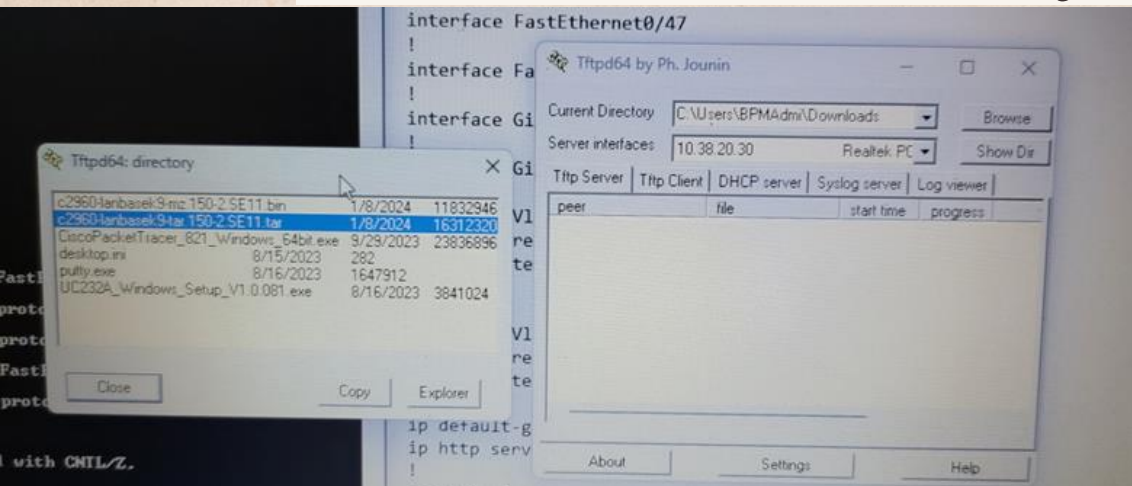
```
Switch Ports Model
* 1 26 WS-C2960-24TT-L SW Version
15.0(2)SE11
SW Image
C2960-LANBASEK9-M

Configuration register is 0xF
HBYP129BK01#
HBYP129BK01#sh run
Building configuration...

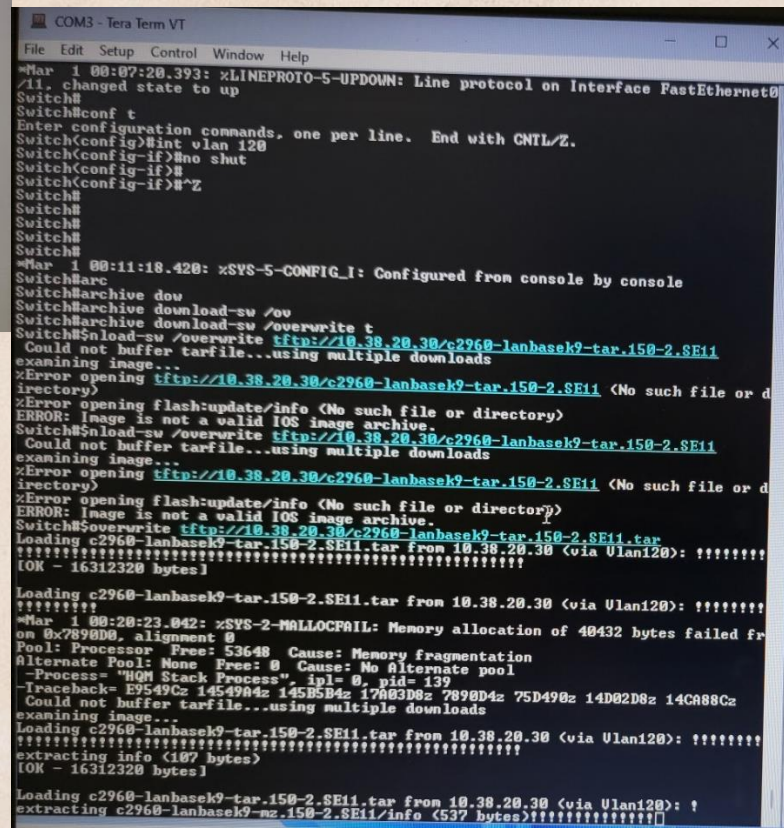
Current configuration : 5941 bytes
version 15.0
service pad
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption
name JHBP
```


*Cisco Switch 2960 Web
Interface implementation*

Cisco Switch 2960 Web Interface implementation



Configure TFTP in the switch and laptop



Cisco Switch 2960 Web Interface implementation and maintenance

```
COM3 - Tera Term V1
File Edit Setup Control Window Help
extracting c2960-lanbase9-mz.150-2.SE11/html/images/pngprogress.gif (5604 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/images/USC2960C_8T0C_2.gif (4544 byte
>
extracting c2960-lanbase9-mz.150-2.SE11/html/images/side_gray.gif (131 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/back.htm (515 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/xssetup.shtml (104578 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/upgrade/status.shtml (564 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/framework.js (25325 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/reset.htm (6490 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/ (directory)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_portstat.js (2076 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/chart.js (342 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_framework.js (6125 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/troubleshooting_06.htm (3278 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/ (directory)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/home_new.htm (4410 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_portstatistics.js (1621 bytes)
c2960-lanbase9-mz.150-2.SE11/html/fr/help/ (directory)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/support.htm (3130 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/ssh.htm (21700 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/legend.htm (34300 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/ports.htm (6826 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/psicp.htm (6513 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/psmart.htm (18940 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/trends.htm (8043 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/setting.htm (15272 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/telnet.htm (4061 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/xssetup.htm (16018 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/about.htm (24208 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/upgrade.htm (5758 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/psicp.htm (7252 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/reset.htm (4098 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/getstats.htm (13450 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/help/menu.js (1322 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/troubleshooting_Browser.htm (3938 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_portruntime.js (764 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw_title.js (3798 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw_upgrade.js (6584 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw_health.js (2002 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw_smartports.js (5870 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw_dashboard.js (2246 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/troubleshooting_JavaScript.htm (8368 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_xssetup.js (19520 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw_splight.js (4192 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw.js (4192 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/re_fw_upgrade_tony.js (7889 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/portruntime.shtml (47988 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/fr/psmart.htm (2133 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/portstatistics.shtml (21688 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/html/empty.htm (313 bytes)
extracting c2960-lanbase9-mz.150-2.SE11/c2960-lanbase9-mz.150-2.SE11.bin (11032945 bytes)#####
```

info cisco config example cor cisco 3

File Edit View

```
interface FastEthernet0/44
!
interface FastEthernet0/45
!
interface FastEthernet0/46
!
interface FastEthernet0/47
!
interface Fa
!
interface Gi
!
interface Gi
!
interface Vl
no ip addre
no ip route
shutdown
!
interface Vl
no ip addre
no ip route
!
ip default-g
ip http serv
!
control-plane
!
line con 0
speed 115200
line vty 5 15
!
end
```

Tftp64 by Ph. Jouin

Current Directory: C:\Users\BPMAdmi\Downloads

Server interfaces: 10.38.20.30 Realtek PC

Tftp Server | Tftp Client | DHCP server | Syslog server | Log viewer

c2960-lanbase9-tar.150-2-SE11.tar... X time | progress |

File size: 16312320 8.21 50%

8256512 Bytes sent 65527 Bytes/sec

Catalyst 2960 Series Device Manager - Switch

Language: English

Next refresh in 43 seconds

Uptime: 7 minutes

View: Status

Contents

- Dashboard
- Configure
- Monitor
- Maintenance
- Network Assistant

Dashboard

Switch Information

Host Name: WS-C2960-48TT-L

Product ID: WS-C2960-48TT-L

IP Address:

MAC Address:

Serial Number: FOC1224U090

Software: 15.0(2)SE11

Contact:

Location:

Switch Health

Bandwidth Used

Packet Error

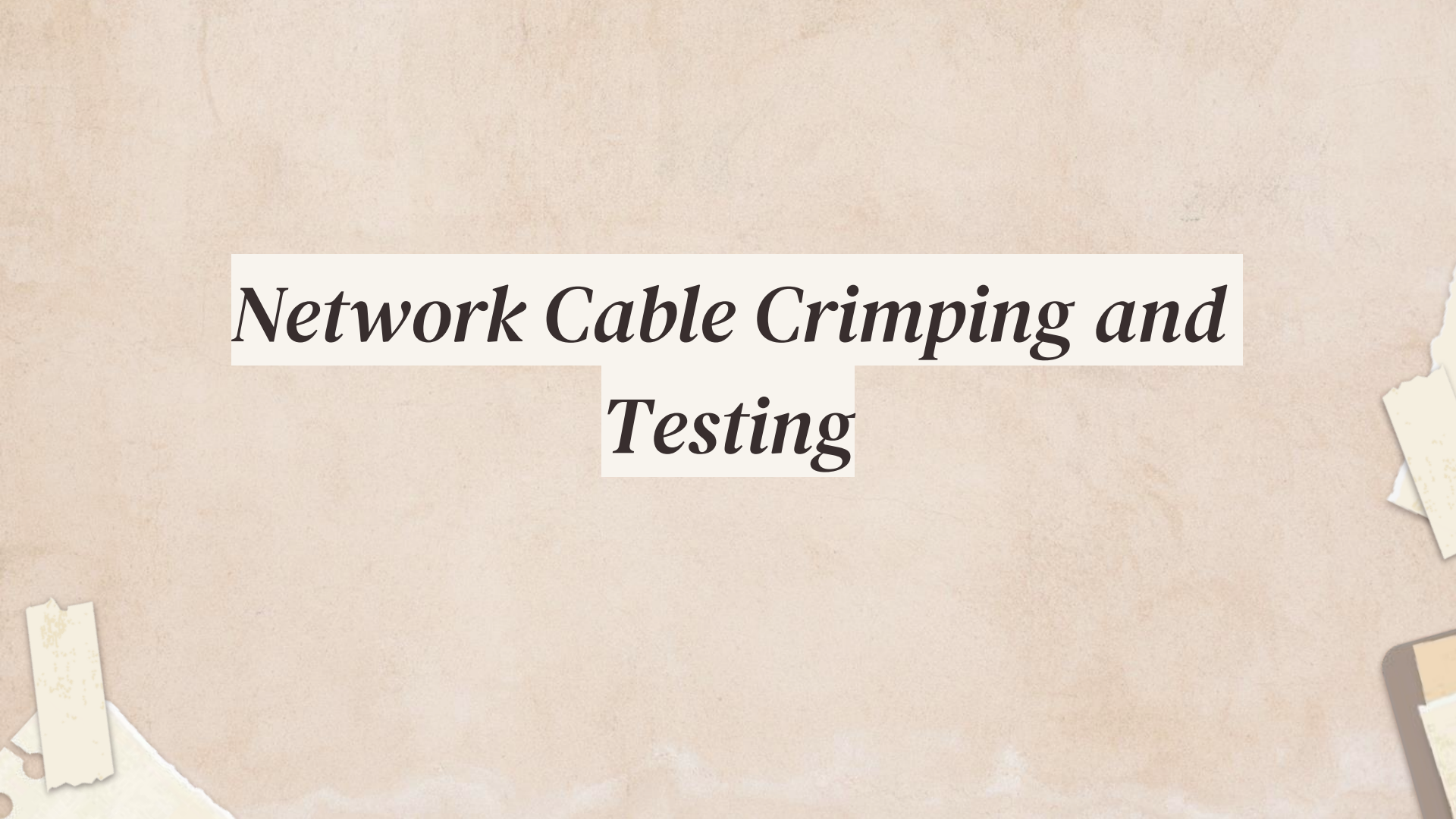
Fan

Temp

Port Utilization

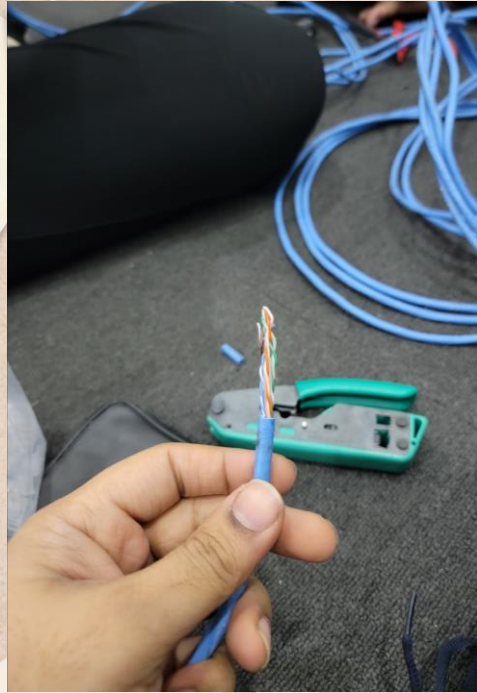
View Trends | View Port Statistics

Transfer and extract the .tar archived file



Network Cable Crimping and Testing

Network Cable Crimping and Testing



Other *tasks*

- Vendor Management
- Preparation for Annual IT Inventory Audit
- Network issues in production
- Reset and Setup PCs for the users
- Printer setup and fix issues

THANK YOU !!