

BAB V

SIMPULAN DAN SARAN

5.1. Kesimpulan

Berikut adalah kesimpulan yang dapat diambil oleh peneliti setelah menyelesaikan penelitian ini:

- a. Aplikasi monitoring jaringan komputer ini mampu membantu Administrator dalam mengawasi aktivitas penggunaan berlebihan atau *download* yang dapat mengganggu aktifitas pada PT. Fira Utama Perkasa yang dapat dilihat melalui grafik yang ditampilkan oleh aplikasi.
- b. Berdasarkan hasil pengujian menggunakan *black-box testing*, dapat disimpulkan bahwa semua fungsi utama dari aplikasi dapat berjalan sesuai dengan rancangan yang sudah dibuat.

5.2. Saran

Dari kesimpulan di atas dan hasil penelitian yang telah dilakukan, peneliti ingin memberikan beberapa saran yang diharapkan dapat menjadi bahan pertimbangan lebih lanjut dalam upaya peningkatan kualitas sistem yang telah dibuat. Berikut adalah saran-saran yang ingin kami sampaikan:

- a. Penting untuk memberikan pengarahan kepada teknisi setempat agar selalu memperhatikan detail dan hal kecil dalam mengelola jaringan di dalam perusahaan. Hal ini bertujuan untuk mencegah terjadinya kesalahan atau masalah yang dapat merugikan perusahaan dalam pengelolaan jaringan yang sudah ada di PT. Fira Utama Perkasa.

- b. Pengguna harus diberi tahu tentang praktik terbaik dalam penggunaan sistem, tanda-tanda serangan, dan prosedur yang harus diikuti dalam melaporkan insiden keamanan. Dengan memiliki pengguna yang terlatih dan sadar, dapat mengurangi risiko terhadap jenis serangan apapun yang dapat mengancam jaringan.



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PENDIDIKAN FORMAL

2006 – 2012 : SD Dharma Widya
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Tangerang, 7 Juli 2023

Kevin Suheri

1. Source Code Login

```
session_start();
```

```
?>
```

```
<div style="padding-top: 5%;" class="login-box">
  <div class="card">
    <div class="card-header">
      <h3><?= $_please_login ?></h3>
    </div>
    <div class="card-body">
      <div class="text-center pd-5">
        
      </div>
      <div class="text-center">
        <span style="font-size: 25px; margin: 10px;">PT. FIRA UTAMA PERKASA </span>
      </div>
      <center>
        <form autocomplete="off" action="" method="post">
          <table class="table" style="width:90%">
            <tr>
              <td class="align-middle text-center">
                <input style="width: 100%; height: 35px; font-size: 16px;" class="form-control"
                type="text" name="user" id="_username" placeholder="Username" required="1"
                autofocus>
              </td>
            </tr>
          </table>
        </form>
      </center>
    </div>
  </div>
</div>
```

```

</tr>
<tr>
  <td class="align-middle text-center">
    <input style="width: 100%; height: 35px; font-size: 16px;" class="form-control"
type="password" name="pass" placeholder="Password" required="1">
  </td>
</tr>
<tr>
  <td class="align-middle text-center">
    <input style="width: 100%; margin-top:20px; height: 35px; font-weight: bold;
font-size: 17px;" class="btn-login bg-primary pointer" type="submit" name="login"
value="Login">
  </td>
</tr>
<tr>
  <td class="align-middle text-center">
    <?= $error; ?>
  </td>
</tr>
</table>
</form>
</center>
</div>
</div>
</div>

</body>
</html>

```

2. Source Code Dashboard

```

<?php
/*

```

* Copyright (C) 2018 Laksamadi Guko.

*
 * This program is free software; you can redistribute it and/or modify
 * it under the terms of the GNU General Public License as published by
 * the Free Software Foundation; either version 2 of the License, or
 * (at your option) any later version.
 *
 * This program is distributed in the hope that it will be useful,
 * but **WITHOUT ANY WARRANTY**; without even the implied warranty of
 * **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**. See the
 * GNU General Public License for more details.
 *
 * You should have received a copy of the GNU General Public License
 * along with this program. If not, see <<http://www.gnu.org/licenses/>>.
 */

```

session_start();
// hide all error
error_reporting(0);
if (!isset($_SESSION["mikhmon"])) {
    header("Location:../admin.php?id=login");
} else {

// get MikroTik system clock
$getclock = $API->comm("/system/clock/print");
$clock = $getclock[0];
$timezone = $getclock[0]['time-zone-name'];
$_SESSION['timezone'] = $timezone;
date_default_timezone_set($timezone);

// get system resource MikroTik

```

```

$getresource = $API->comm("/system/resource/print");
$resource = $getresource[0];

// get routeboard info
$getrouterboard = $API->comm("/system/routerboard/print");
$rrouterboard = $getrouterboard[0];
/*
// move hotspot log to disk *
$getlogging = $API->comm("/system/logging/print", array("?prefix" => "->", ));
$logging = $getlogging[0];
if ($logging['prefix'] == "->") {
} else {
    $API->comm("/system/logging/add", array("action" => "disk", "prefix" => "->",
"topics" => "hotspot,info,debug", ));
}
// get hotspot log
$getlog = $API->comm("/log/print", array("?topics" => "hotspot,info,debug", ));
$log = array_reverse($getlog);
$THotspotLog = count($getlog);
*/
// get & counting hotspot users
$countallusers = $API->comm("/ip/hotspot/user/print", array("count-only" => ""));
if ($countallusers < 2) {
    $sunit = "item";
} elseif ($countallusers > 1) {
    $sunit = "items";
}

// get & counting hotspot active

```

```
$counthotspotactive = $API->comm("/ip/hotspot/active/print", array("count-only" =>
""));
if ($counthotspotactive < 2) {
    $hunit = "item";
} elseif ($counthotspotactive > 1) {
    $hunit = "items";
}

if ($livereport == "disable") {
    $logh = "457px";
    $lreport = "style='display:none;";
} else {
    $logh = "350px";
    $lreport = "style='display:block;";
}
/*
// get selling report
$thisD = date("d");
$thisM = strtolower(date("M"));
$thisY = date("Y");

if (strlen($thisD) == 1) {
    $thisD = "0" . $thisD;
} else {
    $thisD = $thisD;
}

$thisDhr = $thisM . "/" . $thisD . "/" . $thisY;
$thisDbl = $thisM . $thisY;

$getSRHr = $API->comm("/system/script/print", array(
```

```

    "?source" => "$idhr",
  ));
  $TotalRHr = count($getSRHr);
  $getSRBl = $API->comm("/system/script/print", array(
    "?owner" => "$idbl",
  ));
  $TotalRBl = count($getSRBl);

  for ($i = 0; $i < $TotalRHr; $i++) {

    $tHr += explode("-", $getSRHr[$i]['name'])[3];

  }
  for ($i = 0; $i < $TotalRBl; $i++) {

    $tBl += explode("-", $getSRBl[$i]['name'])[3];

  }
  }*/
}
?>

<div id="reloadHome">

<div id="r_1" class="row">
  <div class="col-4">
    <div class="box bmh-75 box-bordered">
      <div class="box-group">
        <div class="box-group-icon"><i class="fa fa-calendar"></i></div>
        <div class="box-group-area">
          <span ><?=$_system_date_time ?><br>

```

```

<?php
echo ucfirst($clock['date']) . " " . $clock['time'] . "<br>
" . $_uptime . " : " . formatDTM($resource['uptime']);
$_SESSION[$session.'sdate'] = $clock['date'];
?>
</span>
</div>
</div>
</div>
</div>
</div>
<div class="col-4">
<div class="box bmh-75 box-bordered">
<div class="box-group">
<div class="box-group-icon"><i class="fa fa-info-circle"></i></div>
<div class="box-group-area">
<span >
<?php
echo $_board_name . " : " . $resource['board-name'] . "<br>
" . $_model . " : " . $routerboard['model'] . "<br>
Router OS : " . $resource['version'];
?>
</span>
</div>
</div>
</div>
</div>
</div>
<div class="col-4">
<div class="box bmh-75 box-bordered">
<div class="box-group">
<div class="box-group-icon"><i class="fa fa-server"></i></div>

```

```

<div class="box-group-area">
  <span >
    <?php
      echo $_cpu_load." : " . $resource['cpu-load'] . "%<br/>
      ".$_free_memory." : " . formatBytes($resource['free-memory'], 2) . "<br/>
      ".$_free_hdd." : " . formatBytes($resource['free-hdd-space'], 2)
    ?>
  </span>
</div>
</div>
</div>
</div>
</div>
<div class="row">
  <div class="col-8">
    <div id="r_2" class="row">
      <div class="card">
        <div class="card-header"><h3><i class="fa fa-wifi"></i> Hotspot</h3></div>
        <div class="card-body">
          <div class="row">
            <div class="col-4 col-box-6">
              <div class="box bg-blue bmh-75">
                <a onclick="cancelPage()" href="./?hotspot=active&session=<?=$session;
?>">
                <h1><?=$scounthotspotactive; ?>
                  <span style="font-size: 15px;"><?=$hunit; ?></span>
                </h1>
              <div>
                <i class="fa fa-laptop"></i> <?=$_hotspot_active ?>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>

```

```

</a>
</div>
</div>
<div class="col-4 col-box-6">
<div class="box bg-green bmh-75">
<a onclick="cancelPage()" href="./?hotspot=users&profile=all&session=<?=$session; ?>">
<h1><?=$countallusers; ?>
<span style="font-size: 15px;"><?=$unit; ?></span>
</h1>
<div>
<i class="fa fa-users"></i> <?=$_hotspot_users ?>
</div>
</a>
</div>
</div>
<div class="col-4 col-box-6">
<div class="box bg-yellow bmh-75">
<a onclick="cancelPage()" href="./?hotspot-user=add&session=<?=$session; ?>">
<div>
<h1><i class="fa fa-user-plus"></i>
<span style="font-size: 15px;"><?=$_add ?></span>
</h1>
</div>
<div>
<i class="fa fa-user-plus"></i> <?=$_hotspot_users ?>
</div>
</a>
</div>
</div>

```



```

<!-- <div class="col-3 col-box-6">
    <div class="box bg-red bmh-75">
        <a onclick="cancelPage()" href="./?hotspot-user=generate&session=<?=$session; ?>">
            <div>
                <h1><i class="fa fa-user-plus"></i>
                    <span style="font-size: 15px;"><?=$_generate ?></span>
                </h1>
            </div>
            <div>
                <i class="fa fa-user-plus"></i> <?=$_hotspot_users ?>
            </div>
        </a>
    </div> -->
<!-- </div> -->
</div>
</div>
</div>
</div>
<div class="card">
    <div class="card-header"><h3><i class="fa fa-area-chart"></i> <?=$_traffic ?>
</h3></div>
    <div class="card-body">

        <?php $getinterface = $API->comm("/interface/print");
        $interface = $getinterface[$iface - 1]['name'];
        /*$TotalReg = count($getinterface);
        for ($i = 0; $i < $TotalReg; $i++) {
            echo $getinterface[$i]['name'].'<br>';

```

```
*/
```

```
?>
```

```
<script type="text/javascript">
```

```
var chart;
```

```
var sessiondata = "<?= $session ?>";
```

```
var interface = "<?= $interface ?>";
```

```
var n = 3000;
```

```
function requestDatta(session,iface) {
```

```
$.ajax({
```

```
url: './traffic/traffic.php?session='+session+'&iface='+iface,
```

```
datatype: "json",
```

```
success: function(data) {
```

```
var midata = JSON.parse(data);
```

```
if( midata.length > 0 ) {
```

```
var TX=parseInt(midata[0].data);
```

```
var RX=parseInt(midata[1].data);
```

```
var x = (new Date()).getTime();
```

```
shift=chart.series[0].data.length > 19;
```

```
chart.series[0].addPoint([x, TX], true, shift);
```

```
chart.series[1].addPoint([x, RX], true, shift);
```

```
}
```

```
},
```

```
error: function(XMLHttpRequest, textStatus, errorThrown) {
```

```
console.error("Status: " + textStatus + " request: " + XMLHttpRequest);
```

```
console.error("Error: " + errorThrown);
```

```
}
```

```
});
```

```
}
```

```
$(document).ready(function() {
```

```

Highcharts.setOptions({
  global: {
    useUTC: false
  }
});

```

```

Highcharts.addEvent(Highcharts.Series, 'afterInit', function () {
  this.symbolUnicode = {
    circle: '●',
    diamond: '◆',
    square: '■',
    triangle: '▲',
    'triangle-down': '▼'
  }[this.symbol] || '●';
});

chart = new Highcharts.Chart({
  chart: {
    renderTo: 'trafficMonitor',
    animation: Highcharts.svg,
    type: 'areaspline',
    events: {
      load: function () {
        setInterval(function () {
          requestDatta(sessiondata,interface);
        }, 8000);
      }
    }
  },
  title: {

```

```

text: '<?=$_interface ?>' + interface
},

xAxis: {
  type: 'datetime',
  tickPixelInterval: 150,
  maxZoom: 20 * 1000,
},
yAxis: {
  minPadding: 0.2,
  maxPadding: 0.2,
  title: {
    text: null
  },
  labels: {
    formatter: function () {
      var bytes = this.value;
      var sizes = ['bps', 'kbps', 'Mbps', 'Gbps', 'Tbps'];
      if (bytes === 0) return '0 bps';
      var i = parseInt(Math.floor(Math.log(bytes) / Math.log(1024)));
      return parseFloat((bytes / Math.pow(1024, i)).toFixed(2)) + ' ' +
sizes[i];
    },
  },
},

series: [{
  name: 'Tx',
  data: [],
  marker: {
    symbol: 'circle'
  }
}

```

```

    }
  }, {
    name: 'Rx',
    data: [],
    marker: {
      symbol: 'circle'
    }
  }
}],

```

```

tooltip: {

```

```

  formatter: function () {

```

```

    var

```

```

    _0x2f7f=["\x70\x6F\x69\x6E\x74\x73","\x79","\x62\x70\x73","\x6B\x62\x70\x73","\x4D\x62\x70\x73","\x47\x62\x70\x73","\x54\x62\x70\x73","\x3C\x73\x70\x61\x6E\x20\x73\x74\x79\x6C\x65\x3D\x22\x63\x6F\x6C\x6F\x72\x3A","\x63\x6F\x6C\x6F\x72","\x73\x65\x72\x69\x65\x73","\x3B\x20\x66\x6F\x6E\x74\x2D\x73\x69\x7A\x65\x3A\x20\x31\x2E\x35\x65\x6D\x3B\x22\x3E","\x73\x79\x6D\x62\x6F\x6C\x55\x6E\x69\x63\x6F\x64\x65","\x3C\x2F\x73\x70\x61\x6E\x3E\x3C\x62\x3E","\x6E\x61\x6D\x65","\x3A\x3C\x2F\x62\x3E\x20\x30\x20\x62\x70\x73","\x70\x75\x73\x68","\x6C\x6F\x67","\x66\x6C\x6F\x6F\x72","\x3A\x3C\x2F\x62\x3E\x20","\x74\x6F\x46\x69\x78\x65\x64","\x70\x6F\x77","\x20","\x65\x61\x63\x68","\x3C\x62\x3E\x4D\x69\x6B\x68\x6D\x6F\x6E\x20\x54\x72\x61\x66\x66\x69\x63\x20\x4D\x6F\x6E\x69\x74\x6F\x72\x3C\x2F\x62\x3E\x3C\x62\x72\x20\x2F\x3E\x3C\x62\x3E\x54\x69\x6D\x65\x3A\x20\x3C\x2F\x62\x3E","\x25\x48\x3A\x25\x4D\x3A\x25\x53","\x78","\x64\x61\x74\x65\x46\x6F\x72\x6D\x61\x74","\x3C\x62\x72\x20\x2F\x3E","\x20\x3C\x62\x72\x2F\x3E\x20","\x6A\x6F\x69\x6E"];var
    s=[];$_0x2f7f[22])(this[_0x2f7f[0]],function(_0x3735x2,_0x3735x3){var
    _0x3735x4=_0x3735x3[_0x2f7f[1]];var
    _0x3735x5=[_0x2f7f[2],_0x2f7f[3],_0x2f7f[4],_0x2f7f[5],_0x2f7f[6]];if(_0x3735x4==0){s[_0x2f7f[15]](_0x2f7f[7]+ this[_0x2f7f[9]][_0x2f7f[8]]+ _0x2f7f[10]+ this[_0x2f7f[9]][_0x2f7f[11]]+ _0x2f7f[12]+ this[_0x2f7f[9]][_0x2f7f[13]]+_0x2f7f[14]);}var
    _0x3735x2=parseInt(Math[_0x2f7f[17]](Math[_0x2f7f[16]](_0x3735x4)/Math[_0x2f7f[16]](1024)));s[_0x2f7f[15]](_0x2f7f[7]+ this[_0x2f7f[9]][_0x2f7f[8]]+_0x2f7f[10]+ this[_0x2f7f[9]][_0x2f7f[11]]+ _0x2f7f[12]+ this[_0x2f7f[9]][_0x2f7f[13]]+_0x2f7f[18]+ parseFloat((_0x3735x4/Math[_0x2f7f[20]](1024,_0x3735x2))[_0x2f7f[19]](2))+ _0x2f7f[21]+ _0x3735x5[_0x3735x2]));return _0x2f7f[23]+ Highcharts[_0x2f7f[26]](_0x2f7f[24], new Date(this[_0x2f7f[25]]))+ _0x2f7f[27]+ s[_0x2f7f[29]](_0x2f7f[28])

```

```

  },

```

```

  shared: true

```

```

    },
  });
});
</script>
<div id="trafficMonitor"></div>
</div>
</div>
</div>
<div class="col-4">
<div id="r_4" class="row">
<div <?= $lreport; ?> class="box bmh-75 box-bordered">
<div class="box-group">
<div class="box-group-icon"><i class="fa fa-money"></i></div>
<div class="box-group-area">
<span >
<div id="reloadLreport">
<?php
if ($_SESSION[$session.'sdate'] == $_SESSION[$session.'idhr']){
echo $_income." <br/>" . "
".$_today." " . $_SESSION[$session.'totalHr'] . "vcr : " . $currency . " " .
$_SESSION[$session.'dincome']. " <br/>
".$_this_month." " . $_SESSION[$session.'totalBI'] . "vcr : " . $currency .
" " . $_SESSION[$session.'mincome'];
}else{
echo "<div id='loader' ><i><span> <i class='fa fa-circle-o-notch fa-
spin'></i> " . $_processing." </i></div>";
}
?>
</div>
</span>
</div>
</div>
</div>

```

```

</div>

</div>

<div id="r_3" class="row">
  <div class="card">
    <div class="card-header">
      <h3><a onclick="cancelPage()" href="/?hotspot=log&session=<?= $session;
?>" title="Open Hotspot Log" ><i class="fa fa-align-justify"></i> <?= $_hotspot_log
?></a></h3></div>

      <div class="card-body">
        <div style="padding: 5px; height: <?= $logh; ?> ;" class="mr-t-10 overflow">
          <table class="table table-sm table-bordered table-hover" style="font-size:
12px; td.padding:2px;">
            <thead>
              <tr>
                <th><?= $_time ?></th>
                <th><?= $_users ?> (IP)</th>
                <th><?= $_messages ?></th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td colspan="3" class="text-center">
                  <div id="loader" ><i><i class='fa fa-circle-o-notch fa-spin'></i> <?=
$_processing ?> </i></div>
                </td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
  </div>
</div>

```



```
</div>
</div>
</div>
    3. Source Code User
<?php
/*
* Copyright (C) 2018 Laksamadi Guko.
*
* This program is free software; you can redistribute it and/or modify
* it under the terms of the GNU General Public License as published by
* the Free Software Foundation; either version 2 of the License, or
* (at your option) any later version.
*
* This program is distributed in the hope that it will be useful,
* but WITHOUT ANY WARRANTY; without even the implied warranty of
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
* GNU General Public License for more details.
*
* You should have received a copy of the GNU General Public License
* along with this program. If not, see <http://www.gnu.org/licenses/>.
*/

// hide all error
error_reporting(0);
ini_set('max_execution_time', 300);

if (!isset($_SESSION["mikhmon"])) {
    header("Location:../admin.php?id=login");
} else {
```

```

if ($prof == "all") {
    $getuser = $API->comm("/ip/hotspot/user/print");
    $TotalReg = count($getuser);

    $counttuser = $API->comm("/ip/hotspot/user/print", array(
        "count-only" => ""
    ));

} elseif ($prof != "all") {
    $getuser = $API->comm("/ip/hotspot/user/print", array(
        "?profile" => "$prof",
    ));
    $TotalReg = count($getuser);

    $counttuser = $API->comm("/ip/hotspot/user/print", array(
        "count-only" => "",
        "?profile" => "$prof",
    ));

}

if ($comm != "") {
    $getuser = $API->comm("/ip/hotspot/user/print", array(
        "?comment" => "$comm",
        //"?uptime" => "00:00:00"
    ));
    $TotalReg = count($getuser);

    $counttuser = $API->comm("/ip/hotspot/user/print", array(
        "count-only" => "",
        "?comment" => "$comm",
    ));
}

```

```

));

}
$exp = $_GET['exp'];
if ($exp != "") {
    $getuser = $API->comm("/ip/hotspot/user/print", array(
        "?limit-uptime" => "1s",
    ));

    $counttuser = $API->comm("/ip/hotspot/user/print", array(
        "count-only" => "",
        "?limit-uptime" => "1s",
    ));
}
$getprofile = $API->comm("/ip/hotspot/user/profile/print");
$totalReg2 = count($getprofile);
}
?>

<div class="row">
<div class="col-12">
<div class="card">
<div class="card-header">
    <h3><i class="fa fa-users"></i> <?=$_users ?>
    <span style="font-size: 14px">
    <?php
    if ($counttuser == 0) {
        echo "<script>>window.location='./?hotspot=users&profile=all&session=" . $session
        . "</script>";
    } ?>

```



```

    }
    ?>
</select>
</div>
<div class="input-group-4 col-box-4">
    <select style="padding:5px;" class="group-item group-item-r" id="comment"
name="comment" onchange="location = './?hotspot=users&comment='+ this.value
+'&session=<?= $session;?>';">
    <?php
    if ($comm != "") {
    } else {
        echo "<option value=">".$_comment."</option>";
    }
    $TotalReg = count($getuser);
    for ($i = 0; $i < $TotalReg; $i++) {
        $ucoment = $getuser[$i]['comment'];
        $uprofile = $getuser[$i]['profile'];
        $acomment .= ",".$ucoment."#". $uprofile;
    }

    $ocomment= explode(",",$acomment);

    $comments=array_count_values($ocomment) ;
    foreach ($comments as $tcomment=>$value) {

        if (is_numeric(substr($tcomment, 3, 3))) {

            echo "<option value=" . explode("#",$tcomment)[0] . " ">".
explode("#",$tcomment)[0]." " .explode("#",$tcomment)[1]. " [".$value. "]"</option>";
        }

    }
}

```

```

?>
</select>
</div>
</div>
</div>

<div class="col-6">
  <?php if ($comm != "") { ?>
    <button class="btn bg-red" onclick="if(confirm('Are you sure to delete username by
comment (<?= $comm; ?>?'))){loadpage('./remove-hotspot-user-by-comment=<?=
$comm; ?>&session=<?= $session; ?>');loader();}else{}}" title="Remove user by comment
<?= $comm; ?>"> <i class="fa fa-trash"></i> <?= $_by_comment ?></button>
    <?php ; }else if ($exp == "1"){ ?>
    <button class="btn bg-red" onclick="if(confirm('Are you sure to delete
users?'))){loadpage('./remove-hotspot-user-expired=1&session=<?= $session;
?>');loader();}else{}}" title="Remove user expired"> <i class="fa fa-trash"></i> Expired
Users</button>
    <?php } ?>
  <script>
    function printV(a,b){
      var comm = document.getElementById('comment').value;
      var url = "./voucher/print.php?id="+comm+"&"a+"="+b+"&session=<?= $session;
?>";
      if (comm === "" ){
        <?php if ($currency == in_array($currency, $cekindo['indo'])) { ?>
          alert('Silakan pilih salah satu Comment terlebih dulu!');
        <?php
      } else { ?>
          alert('Please choose one of the Comments first!');
        <?php
      } ?>
    }else{

```

```

var win = window.open(url, '_blank');

win.focus();

}}

</script>

<!-- <button class="btn bg-primary" title='Print' onclick="printV('qr','no');"><i class="fa
fa-print"></i> <?=$_print_default ?></button> -->

<!-- <button class="btn bg-primary" title='Print QR' onclick="printV('qr','yes');"><i
class="fa fa-print"></i> <?=$_print_qr ?></button> -->

<!-- <button class="btn bg-primary" title='Print Small'onclick="printV('small','yes');"><i
class="fa fa-print"></i> <?=$_print_small ?></button> -->

</div>

</div>

<div class="overflow mr-t-10 box-bordered" style="max-height: 75vh">
<table id="dataTable" class="table table-bordered table-hover text-nowrap">
<thead>
<tr>
<th style="min-width:50px;" class="align-middle text-center" id="cuser"><?=$
$counttuser; ?></th>
<th style="min-width:50px;" class="pointer" title="Click to sort"><i class="fa fa-
sort"></i> Server</th>
<th class="pointer" title="Click to sort"><i class="fa fa-sort"></i> <?=$_name ?></th>
<th>Print</th>
<th class="pointer" title="Click to sort"><i class="fa fa-sort"></i> <?=$_profile
?></th>
<th class="pointer" title="Click to sort"><i class="fa fa-sort"></i> Mac
Address</th>
<th class="text-right align-middle pointer" title="Click to sort"><i class="fa fa-
sort"></i> <?=$_uptime_user ?></th>
<th class="text-right align-middle pointer" title="Click to sort"><i class="fa fa-
sort"></i> Bytes In</th>
<th class="text-right align-middle pointer" title="Click to sort"><i class="fa fa-
sort"></i> Bytes Out</th>
<th class="pointer" title="Click to sort"><i class="fa fa-sort"></i> <?=$_comment
?></th>

```



```
</tr>
</thead>
<tbody id="tbody">
<?php
for ($i = 0; $i < $TotalReg; $i++) {
    $userdetails = $getuser[$i];
    $uid = $userdetails['.id'];
    $server = $userdetails['server'];
    $name = $userdetails['name'];
    $pass = $userdetails['password'];
    $profile = $userdetails['profile'];
    $macadd = $userdetails['mac-address'];
    $uptime = formatDTM($userdetails['uptime']);
    $bytesi = formatBytes($userdetails['bytes-in'], 2);
    $byteso = formatBytes($userdetails['bytes-out'], 2);

    $comment = $userdetails['comment'];
    $disabled = $userdetails['disabled'];
    $timelimit = $userdetails['limit-uptime'];
    if ($timelimit == '1s') {
        $timelimit = ' expired';
    } else {
        $timelimit = '' . $timelimit;
    }
    $datalimit = $userdetails['limit-bytes-total'];
    if ($datalimit == "") {
        $datalimit = "";
    } else {
        $datalimit = '' . formatBytes($datalimit, 2);
    }
}
```



```

echo "<td style=' text-align:right'>" . $uuptime . "</td>";
echo "<td style=' text-align:right'>" . $subytesi . "</td>";
echo "<td style=' text-align:right'>" . $subyteso . "</td>";
echo "<td>";
if ($uname == "default-trial") {
} else if (substr($acomment,0,3) == "vc-" || substr($acomment,0,3) == "up-") {
    echo "<a href=../?hotspot=users&comment=" . $acomment . "&session=" . $session . "
title='Filter by " . $acomment . "'><i class='fa fa-search'></i> " . $acomment . " " .
$datalimit . " ". $timelimit . "</a>";
} else if ($timelimit == ' expired') {
    echo "<a href=../?hotspot=users&profile=all&exp=1&session=" . $session . " title='Filter
by expired'><i class='fa fa-search'></i> " . $acomment . " " . $datalimit . " ". $timelimit .
"</a>";
} else {
    echo $acomment.' ';
}
echo "</td>";

}
?>
</tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>

```

4. Source Code User Profile

```
<?php
/*
 * Copyright (C) 2018 Laksamadi Guko.
 *
 * This program is free software; you can redistribute it and/or modify
 * it under the terms of the GNU General Public License as published by
 * the Free Software Foundation; either version 2 of the License, or
 * (at your option) any later version.
 *
 * This program is distributed in the hope that it will be useful,
 * but WITHOUT ANY WARRANTY; without even the implied warranty of
 * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
 * GNU General Public License for more details.
 *
 * You should have received a copy of the GNU General Public License
 * along with this program. If not, see <http://www.gnu.org/licenses/>.
 */

// hide all error
error_reporting(0);
if (!isset($_SESSION["mikhmon"])) {
    echo '
<html>
<head><title>403 Forbidden</title></head>
<body bgcolor="white">
<center><h1>403 Forbidden</h1></center>
<hr><center>nginx/1.14.0</center>
</body>
</html>
```

```

';
} else {

// get user profile
    $getprofile = $API->comm("/ip/hotspot/user/profile/print");
    $TotalReg = count($getprofile);
// count user profile
    $countprofile = $API->comm("/ip/hotspot/user/profile/print", array(
        "count-only" => "",
    ));
}
?>
<div class="row">
<div class="col-12">
<div class="card">
<div class="card-header align-middle">
    <h3><i class="fa fa-pie-chart"></i> User Profile
    &nbsp; | &nbsp; <a href="./?user-profile=add&session=<?= $session; ?>" title="Add
User"><i class="fa fa-user-plus"></i> Add</a>
    </h3>
</div>
<!-- /.card-header -->
<div class="card-body">
<div class="overflow box-bordered" style="max-height: 75vh">
<table id="tFilter" class="table table-bordered table-hover text-nowrap">
<thead>
<tr>
    <th style="min-width:50px;" class="text-center" >
    <?php
if ($countprofile < 2) {

```

```

        echo "$countprofile item ";
    } elseif ($countprofile > 1) {
        echo "$countprofile items ";
    }
?></th>

    <th class="align-middle"><?=$_name ?></th>
    <th class="align-middle">Shared<br>Users</th>
    <th class="align-middle">Rate<br>Limit</th>
    <th class="align-middle"><?=$_expired_mode ?></th>
    <th class="align-middle"><?=$_validity ?></th>
    <th class="text-right align-middle" > <?=$_price." ".$currency; ?></th>
    <th class="text-right align-middle" > <?=$_selling_price." ".$currency;
?></th>
    <th class="align-middle"><?=$_lock_user ?></th>
</tr>
</thead>
<tbody>
<?php
for ($i = 0; $i < $TotalReg; $i++) {

    $profiledetais = $getprofile[$i];
    $pid = $profiledetais['id'];
    $pname = $profiledetais['name'];
    $psharedu = $profiledetais['shared-users'];
    $pratelimit = $profiledetais['rate-limit'];
    $ponlogin = $profiledetais['on-login'];
    $getmonexpired = $API->comm("/system/scheduler/print", array(
        "?name" => "$pname",
    ));
    $monexpired = $getmonexpired[0];

```



```

        echo "Remove & Record";
    } elseif ($expmode == "ntfc") {
        echo "Notice & Record";
    } else {

    }
    echo "</td>";
    echo "<td>";

// get validity
    $getvalid = explode(",", $ponlogin);
    echo $getvalid[3];

    echo "</td>";

    echo "<td style='text-align:right;>";

// get price
    $getprice = explode(",", $ponlogin);
    $price = trim($getprice[2]);
    if ($price == "" || $price == "0") {
        echo "";
    } else {
        if ($currency == in_array($currency, $cekindo['indo'])) {
            echo number_format((float)$price, 0, ",", ".");
        } else {
            echo number_format((float)$price, 2);
        }
    }

    echo "</td>";
    echo "<td style='text-align:right;>";

```

```

// get price
$getsprice = explode(",", $ponlogin);
$price = trim($getsprice[4]);
if ($price == "" || $price == "0") {
    echo "";
} else {
    if ($currency == in_array($currency, $cekindo['indo'])) {
        echo number_format((float)$price, 0, ",", ".");
    } else {
        echo number_format((float)$price, 2);
    }
}
echo "</td>";
echo "<td>";

$getgracep = explode(",", $ponlogin);
echo $getgracep[6];
echo "</td>";
echo "</tr>";
}
?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>

```



```

63\x65\x5F", "\x76\x61\x6C\x75\x65", "\x4D\x69\x6B\x68\x6D\x6F\x6E\x53\x65\x73\x73\x
69\x6F\x6E", "\x67\x65\x74\x45\x6C\x65\x6D\x65\x6E\x74\x42\x79\x49\x64", "\x75\x6E
\x64\x65\x66\x69\x6E\x65\x64", "\x73\x65\x74\x49\x74\x65\x6D", "\x50\x6C\x65\x61\x73
\x65\x20\x75\x73\x65\x20\x47\x6F\x6F\x67\x6C\x65\x20\x43\x68\x72\x6F\x6D\x65", "\x
72\x65\x6C\x6F\x61\x64", "\x6C\x6F\x63\x61\x74\x69\x6F\x6E", "\x6F\x6E", "\x23\x64\x5
F\x69\x6E\x74\x65\x72\x66\x61\x63\x65";$(function(){$_(0x381f[12])[_0x381f[11]](_0
x381f[0],function(){var _0xd273x1=$(this)[_0x381f[1]]();var _0xd273x2=_0x381f[2]+
document[_0x381f[5]](_0x381f[4])[_0x381f[3]];if(_0xd273x1){if( typeof (Storage)!==
_0x381f[6]){sessionStorage[_0x381f[7]](_0xd273x2,_0xd273x1)}else
{alert(_0x381f[8])};window[_0x381f[10]][_0x381f[9]]();return false}})}

```

```

</script>

```

```

<div class="card">

```

```

  <div class="card-header"><h3><i class="fa fa-area-chart"></i> <?=$
  _traffic_monitor ?> </h3></div>

```

```

  <div class="card-body">

```

```

    <div class="row">

```

```

      <?php $getinterface = $API->comm("/interface/print");

```

```

      $interface = $getinterface[$iface - 1]['name'];

```

```

      $TotalReg = count($getinterface);

```

```

    ?>

```

```

    <div class="col-12">

```

```

      <select id="d_interface" class="dropd pd-5" >

```

```

        <option><?=$ _select_interface ?></option>

```

```

        <?php

```

```

          for ($i = 0; $i < $TotalReg; $i++) {

```

```

            echo '<option value="" . $getinterface[$i]['name'] . "'>['.($i+1).']' .

```

```

            $getinterface[$i]['name'] . '</option>';

```

```

          }

```

```

        ?>

```

```

      </select>

```

```

    </div>

```

```

    <script type="text/javascript">

```

```

var chart;

var sessiondata = "<?= $session ?>";

function requestDatta(session,iface) {
$.ajax({
url: './traffic/traffic.php?session='+session+'&iface='+iface,
datatype: "json",
success: function(data) {
var midata = JSON.parse(data);
if( midata.length > 0 ) {
var TX=parseInt(midata[0].data);
var RX=parseInt(midata[1].data);
var x = (new Date()).getTime();
shift=chart.series[0].data.length > 19;
chart.series[0].addPoint([x, TX], true, shift);
chart.series[1].addPoint([x, RX], true, shift);
}
},
error: function(XMLHttpRequest, textStatus, errorThrown) {
console.error("Status: " + textStatus + " request: " + XMLHttpRequest);
console.error("Error: " + errorThrown);
}
});
}

$(document).ready(function() {
Highcharts.setOptions({
global: {
useUTC: false
},
chart: {

```

```
height: 500,
```

```
},
```

```
});
```

```
Highcharts.addEvent(Highcharts.Series, 'afterInit', function () {
```

```
    this.symbolUnicode = {
```

```
        circle: '●',
```

```
        diamond: '◆',
```

```
        square: '■',
```

```
        triangle: '▲',
```

```
        'triangle-down': '▼'
```

```
    }[this.symbol] || '●';
```

```
});
```

```
chart = new Highcharts.Chart({
```

```
    chart: {
```

```
        renderTo: 'trafficMonitor',
```

```
        animation: Highcharts.svg,
```

```
        type: 'areaspline',
```

```
        events: {
```

```
            load: function () {
```

```
                setInterval(function () {
```

```
                    var
```

```
                    _0xe05e=["\x49\x6E\x74\x65\x72\x66\x61\x63\x65\x5F","\x76\x61\x6C\x75\x65","\x4D\x69\x6B\x68\x6D\x6F\x6E\x53\x65\x73\x73\x69\x6F\x6E","\x67\x65\x74\x45\x6C\x65\x6D\x65\x6E\x74\x42\x79\x49\x64","\x67\x65\x74\x49\x74\x65\x6D"];var  
                    sesIface=_0xe05e[0]+ document[_0xe05e[3]](_0xe05e[2])[_0xe05e[1]];var  
                    interface=sessionStorage[_0xe05e[4]](sesIface)
```

```
                    requestDatta(sessiondata,interface);
```

```
                    chart.setTitle({ text: '<?= $_interface ?>' + interface });
```

```
                }, 3000);
```

```

    }
  }
},
title: {
  text: '<?=$_loading_interface ?>...'
},

xAxis: {
  type: 'datetime',
  tickPixelInterval: 150,
  maxZoom: 20 * 1000,
},
yAxis: {
  minPadding: 0.2,
  maxPadding: 0.2,
  title: {
    text: null
  },
  labels: {
    formatter: function () {
      var bytes = this.value;
      var sizes = ['bps', 'kpbs', 'Mbps', 'Gbps', 'Tbps'];
      if (bytes === 0) return '0 bps';
      var i = parseInt(Math.floor(Math.log(bytes) / Math.log(1024)));
      return parseFloat((bytes / Math.pow(1024, i)).toFixed(2)) + ' ' +
sizes[i];
    },
  },
},
},

series: [{

```

```

name: 'Tx',
data: [],
marker: {
  symbol: 'circle'
}
}, {

```

```

name: 'Rx',
data: [],
marker: {
  symbol: 'circle'
}
}],

```

```

tooltip: {
  formatter: function () {

```

```

var

```

```

_0x2f7f=["\x70\x6f\x69\x6e\x74\x73","\x79","\x62\x70\x73","\x6b\x62\x70\x73","\x4d\x62\x70\x73","\x47\x62\x70\x73","\x54\x62\x70\x73","\x3c\x73\x70\x61\x6e\x20\x73\x74\x79\x6c\x65\x3d\x22\x63\x6f\x6c\x6f\x72\x3a","\x63\x6f\x6c\x6f\x72","\x73\x65\x72\x69\x65\x73","\x3b\x20\x66\x6f\x6e\x74\x2d\x73\x69\x7a\x65\x3a\x20\x31\x2e\x35\x65\x6d\x3b\x22\x3e","\x73\x79\x6d\x62\x6f\x6c\x55\x6e\x69\x63\x6f\x64\x65","\x3c\x2f\x73\x70\x61\x6e\x3e\x3c\x62\x3e","\x6e\x61\x6d\x65","\x3a\x3c\x2f\x62\x3e\x20\x30\x20\x62\x70\x73","\x70\x75\x73\x68","\x6c\x6f\x67","\x66\x6c\x6f\x6f\x72","\x3a\x3c\x2f\x62\x3e\x20","\x74\x6f\x46\x69\x78\x65\x64","\x70\x6f\x77","\x20","\x65\x61\x63\x68","\x3c\x62\x3e\x4d\x69\x6b\x68\x6d\x6f\x6e\x20\x54\x72\x61\x66\x66\x69\x63\x20\x4d\x6f\x6e\x69\x74\x6f\x72\x3c\x2f\x62\x3e\x3c\x62\x72\x20\x2f\x3e\x3c\x62\x3e\x54\x69\x6d\x65\x3a\x20\x3c\x2f\x62\x3e","\x25\x48\x3a\x25\x4d\x3a\x25\x53","\x78","\x64\x61\x74\x65\x46\x6f\x72\x6d\x61\x74","\x3c\x62\x72\x20\x2f\x3e","\x20\x3c\x62\x72\x2f\x3e\x20","\x6a\x6f\x69\x6e"];var

```

```

s=[];$_0x2f7f[22])(this[_0x2f7f[0]],function(_0x3735x2,_0x3735x3){var
_0x3735x4=_0x3735x3[_0x2f7f[1]];var
_0x3735x5=[_0x2f7f[2],_0x2f7f[3],_0x2f7f[4],_0x2f7f[5],_0x2f7f[6]];if(_0x3735x4==
0){s[_0x2f7f[15]](_0x2f7f[7]+ this[_0x2f7f[9]][_0x2f7f[8]]+_0x2f7f[10]+
this[_0x2f7f[9]][_0x2f7f[11]]+_0x2f7f[12]+ this[_0x2f7f[9]][_0x2f7f[13]]+_
_0x2f7f[14])};var
_0x3735x2=parseInt(Math[_0x2f7f[17]](Math[_0x2f7f[16]](_0x3735x4)/
Math[_0x2f7f[16]](1024)));s[_0x2f7f[15]](_0x2f7f[7]+ this[_0x2f7f[9]][_0x2f7f[8]]+
_0x2f7f[10]+ this[_0x2f7f[9]][_0x2f7f[11]]+_0x2f7f[12]+ this[_0x2f7f[9]][_0x2f7f[13]]+
_0x2f7f[18]+ parseFloat((_0x3735x4/

```



```
Math[_0x2f7f[20]](1024,_0x3735x2))[_0x2f7f[19]](2))+ _0x2f7f[21]+
_0x3735x5[_0x3735x2]));return _0x2f7f[23]+ Highcharts[_0x2f7f[26]](_0x2f7f[24], new
Date(this[_0x2f7f[25]))+ _0x2f7f[27]+ s[_0x2f7f[29]](_0x2f7f[28])
```

```
},
```

```
shared: true
```

```
},
```

```
});
```

```
});
```

```
</script>
```

```
<div class="col-12" id="trafficMonitor"></div>
```

```
</div>
```

```
</div>
```

