<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

<link rel="stylesheet" type="text/css" href="CSS/style.css">

<title>MDC</title>

</head>

<nav id="menu" name="menu">

<ul>

<li><a href="help.php">Help</a></li>

<li><a href="info.php">Info</a></li>

<li><a href="links.php">Links</a></li>

</ul>

</nav>

<body>

<figure>

<center><img class="image" src="cloud1.png" alt="IBM Background" height="100px"></center>

</figure>

<h1><b><center> Manual Drive Configuration </center></b></h1>

<form name="Formulario" method="post" action="">

<center><div id="OSys" name="OSys" class="option">

<label>Operational System <select name ="OSys" size=1 required>

<option name="Linux" value="Linux">Linux

<option name="Windows" value="Windows">Windows

</select>

</div></center>

<center><div id="Array" name="Array">

<label>Secondary Array <select name ="Array" size=1 required>

<option name="opt1" value="1">1

<option name="opt2" value="2">2

<option name="opt3" value="3">3

<option name="opt4" value="4">4

<option name="opt5" value="5">5

<option name="opt6" value="6">6

<option name="opt7" value="7">7

<option name="opt8" value="8">8

<option name="opt9" value="9">9

<option name="opt10" value="10">10

<option name="opt11" value="11">11

<option name="opt12" value="12">12

<option name="opt13" value="13">13

<option name="opt14" value="14">14

<option name="opt15" value="15">15

<option name="opt16" value="16">16

<option name="opt17" value="17">17

<option name="opt18" value="18">18

<option name="opt19" value="19">19

<option name="opt20" value="20">20

<option name="opt21" value="21">21

<option name="opt22" value="22">22

<option name="opt23" value="23">23

<option name="opt24" value="24">24

<option name="opt25" value="25">25

<option name="opt26" value="26">26

<option name="opt27" value="27">27

<option name="opt28" value="28">28

<option name="opt29" value="29">29

<option name="opt30" value="30">30

<option name="opt31" value="31">31

<option name="opt32" value="32">32

<option name="opt33" value="33">33

<option name="opt34" value="34">34

<option name="opt35" value="35">35

</select>

</div></center>

<center><div id="divFS" name="divFS">

<label>Filesystem <select name ="divFS" size=1 required>

<option value="ext4">Ext4

<option value="ext3">Ext3

<option value="xfs">XFS

<option value="fat32">Fat32

</select>

</div></center>

<center><div id="size" name="size">

<label>Size of the Array <select name ="size" size=1 required>

<option value="option1"> < 2 TB

<option value="option2" > 2 TB < 8 TB

<option value="option3" > 8 TB < 16 TB

<option value="option4" > 16 TB

</select>

</div> </center>

<center><div id="Lab" name="Lab">

<label>Identification <select name ="Lab" size=1 required>

<option value="label">Label

<option value="UUID">UUID

</select>

</div></center>

<center>

<div>

<label class="switch">

<input name="explanations" id="explanations" type="checkbox" value="on">

<span class="slider round"></span>

</label>

</div> <label> Explanations </label>

<div class="button">

<button type="submit" name="botao" class="btn btn-primary">Generate Script</button>

</div>

<br>

<center><b><font color="red"> Do not use this page unless you know exactly what you are doing! </font></b></center>

</center></form>

<br>

<hr class="separador" style="border-width: 3px;">

<br>

<div class="script.res"><center>

<?php

//uncomment next lines to disasble errors

//error\_reporting(0);

//ini\_set(“display\_errors”, 0 );

if(isset($\_POST['OSys']) AND isset($\_POST['Array']) AND isset($\_POST['divFS']) AND isset($\_POST['size']) AND isset($\_POST['Lab']))

{

$\_POST['explanations'] = ( isset($\_POST['explanations']) ) ? true : null;

$OS = $\_POST['OSys'];

$Array\_Limit = $\_POST['Array'];

$FileSys = $\_POST['divFS'];

$size = $\_POST['size'];

$idn = $\_POST['Lab'];

$Sarray\_letter = array('b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z','ab','ac','ad','ae','af','ag','ah','ai','aj','ak');

$LSI = "";

$partable = "";

$Script\_Num = '0';

if ($OS == "Windows"){

$Script\_Num = '1';

}

if($OS == "Linux" AND !$\_POST['explanations'])

{

if($idn == "UUID")

{

switch ($size){

case 'option1':

$partable = "msdos";

$Script\_Num = '2';

break;

case 'option2':

$partable = "gpt";

$Script\_Num = '2';

break;

case 'option3':

$partable = "gpt";

$Script\_Num = '2';

break;

case 'option4':

$partable = "gpt";

$Script\_Num = '2';

break;

}

}

if($idn == "label")

{

switch ($size){

case 'option1':

$partable = "msdos";

$Script\_Num = '3';

break;

case 'option2':

$partable = "gpt";

$Script\_Num = '3';

break;

case 'option3':

$partable = "gpt";

$Script\_Num = '3';

break;

case 'option4':

$partable = "gpt";

$Script\_Num = '3';

break;

}

}

}

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* with explanations \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

if($OS == "Linux" AND $\_POST['explanations'])

{

if($idn == "UUID")

{

switch ($size){

case 'option1':

$partable = "msdos";

$Script\_Num = '4';//6

break;

case 'option2':

$partable = "gpt";

$Script\_Num = '4';

break;

case 'option3':

$partable = "gpt";

$Script\_Num = '4';

break;

case 'option4':

$partable = "gpt";

$Script\_Num = '4';

break;

}

}

if($idn == "label")

{

switch ($size){

case 'option1':

$partable = "msdos";

$Script\_Num = '5';//7

break;

case 'option2':

$partable = "gpt";

$Script\_Num = '5';

break;

case 'option3':

$partable = "gpt";

$Script\_Num = '5';

break;

case 'option4':

$partable = "gpt";

$Script\_Num = '5';

break;

}

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* swith case\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

switch ($Script\_Num) {

case '1':

//Windows

$LSI = <<<EOT

<strong> First you run this commands to check if something is still running on the server </strong><br>

C:\Program Files (x86)\MegaRAID Storage Manager>storcli64 /c0 /vall show;<br>

C:\Program Files (x86)\MegaRAID Storage Manager>storcli64 /c0 /vall show all | findstr -i "Properties Active";<br>

C:\Program Files (x86)\MegaRAID Storage Manager>storcli64 /c0 /eall /sall show;<br><br>

Press Win + R<br>

Type: diskmgmt.msc<br>

Verify if all the arrays are there and if the sizes are correct<br>

Set the transaction to "Manual Drive Configuration Complete"

EOT;

echo $LSI;

break;

case '2':

//Linux /no explanations/UUID

$LSI = <<<EOT

<strong> First you run this commands to check if something is still running on the server </strong><br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show;<br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show all | grep -E "Properties|Active";<br>

/opt/MegaRAID/storcli/storcli64 /c0/eall/sall show;<br><br>

EOT;

echo "<b>Scipt for $OS.</b><br><br>";

echo $LSI;

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "parted /dev/sd$diskL -s mklabel $partable mkpart primary 1 -- -1 && mkdir -p /disk$diskN && mkfs.$FileSys -L /disk$diskL /dev/sd$diskL";

echo "1 ";

echo " && echo -e 'UUID='`blkid -s UUID -o value /dev/sd$diskL";

echo "1 ` '\\t /dev/sd$diskL \\t $FileSys \\t defaults \\t 1 2 ' >> /etc/fstab && mount -a;<br>";

}

break;

case '3':

//Linux /no explanations/Label

$LSI = <<<EOT

<strong> First you run this commands to check if something is still running on the server </strong><br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show;<br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show all | grep -E "Properties|Active";<br>

/opt/MegaRAID/storcli/storcli64 /c0/eall/sall show;<br><br>

EOT;

echo "<b>Scipt for $OS.</b><br><br>";

echo $LSI;

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "parted /dev/sd$diskL -s mklabel $partable mkpart primary 1 -- -1 && mkdir -p /disk$diskN && mkfs.$FileSys -L /disk$diskN /dev/sd$diskL";

echo "1 ";

echo "&& echo -e 'LABEL= /disk$diskN /dev/sd$diskL";

echo "1 $FileSys \\t defaults \\t 1 2 ' >> /etc/fstab && mount -a;<br>";

}

break;

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* with explanations \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

case '4':

//Linux/Explanations/UUID

$LSI = <<<EOT

<strong> First you run this commands to check if something is still running on the server </strong><br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show;<br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show all | grep -E "Properties|Active";<br>

/opt/MegaRAID/storcli/storcli64 /c0/eall/sall show;<br><br>

EOT;

echo "<b>Scipt for $OS.</b><br>";

echo "<b>Please note that these commands should be ran one at a time.</b><br><br>";

echo "$LSI<br>";

echo "First we have got to create the backup file for /etc/fstab: <br><br>cp /etc/fstab /etc/fstab.bak";

echo '<hr class="separador" style="border-width: 2px;">';

echo "Second we partition the disks with one big partiton that covers the entire disk: <br><br>";

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "parted /dev/sd$diskL -s mklabel $partable mkpart primary 1 -- -1 && mkdir -p /disk$diskN<br>";

}

echo '<hr class="separador" style="border-width: 2px;">';

echo "Now we must create the FileSystem, also known as formating the disks:<br><br>";

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "mkfs.$FileSys -L /disk$diskN /dev/sd$diskL";

echo "1<br>";

}

echo '<hr class="separador" style="border-width: 2px;">';

echo "Now we must update the fstab file:<br><br>";

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "echo -e 'UUID='`blkid -s UUID -o value /dev/sd$diskL";

echo "1 ` '\\t /dev/sd$diskL";

echo "1 \\t $FileSys \\t defaults \\t 1 2 ' >> /etc/fstab<br>";

}

echo '<hr class="separador" style="border-width: 2px;">';

echo "Last but not least, we must mount the secondary arrays:<br><br>";

echo "mount -a";

break;

case '5':

//Linx/Explanations/Label

$LSI = <<<EOT

<strong> First you run this commands to check if something is still running on the server </strong><br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show;<br>

/opt/MegaRAID/storcli/storcli64 /c0/vall show all | grep -E "Properties|Active";<br>

/opt/MegaRAID/storcli/storcli64 /c0/eall/sall show;<br><br>

EOT;

echo "<b>Scipt for $OS.</b><br>";

echo "<b>Please note that these commands should be ran one at a time.</b><br><br>";

echo "$LSI<br>";

echo "First we have got to create the backup file for /etc/fstab: <br><br>cp /etc/fstab /etc/fstab.bak";

echo '<hr class="separador" style="border-width: 2px;">';

echo "Second we partition the disks with one big partiton that covers the entire disk: <br><br>";

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "parted /dev/sd$diskL -s mklabel $partable mkpart primary 1 -- -1 && mkdir -p /disk$diskN<br>";

}

echo '<hr class="separador" style="border-width: 2px;">';

echo "Now we must create the FileSystem, also known as formating the disks:<br><br>";

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "mkfs.$FileSys -L /disk$diskN /dev/sd$diskL";

echo "1<br>";

}

echo '<hr class="separador" style="border-width: 2px;">';

echo "Now we must update the fstab file:<br><br>";

for($Sarray = 1; $Sarray <= $Array\_Limit ; $Sarray++)

{

$diskL = $Sarray\_letter[$Sarray - 1];

$diskN = $Sarray;

echo "echo -e 'LABEL= /disk$diskN /dev/sd$diskL";

echo "1 ";

echo "$FileSys \\t defaults \\t 1 2 ' >> /etc/fstab<br>";

}

echo '<hr class="separador" style="border-width: 2px;">';

echo "Last but not least, we must mount the secondary arrays:<br><br>";

echo "mount -a";

break;

}

}

?>

</center></div>

</body>

</html>