

&lt;?php

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#define('_FULLPATH', realpath(dirname(__FILE__)));
require_once(_FULLPATH.'/classes/class_myJAM_DB.php');
require_once(_FULLPATH.'/classes/class_myJAM_User.php');
require_once(_FULLPATH.'/classes/class_myJAM_Project.php');
require_once(_FULLPATH.'/classes/class_myJAM_Queue.php');
require_once(_FULLPATH.'/classes/class_myJAM_Host.php');
require_once(_FULLPATH.'/classes/class_myJAM_Architecture.php');
require_once(_FULLPATH.'/helper/myJAM_JSON/myJAM_JSON.php');
require_once(_FULLPATH.'/fxn/is_md5.php');
require_once(_FULLPATH.'/fxn/MemOut.php');
require_once(_FULLPATH.'/fxn/DurationOut.php');
//include ('/includes/in_queues.php');
$MAX_RESULTS_PER_PAGE = 100;
$MAX_PAGE_INDEX = 7;

function create_table_row($inside, $stuff='')
//o-----o//
{
    return '<td '.$stuff.' >'.$inside.'</td>';
}
//o-----o//
function GenHeader($name, $title, $SortMode)
//o-----o//
{
    // Style
    $stuff='style="background-color:#c0c0c0; cursor:pointer;" '.$title;
    // HTML Stuff
    $inside = "<b>$name</b>";
    echo create_table_row($inside,$stuff);
}

//o-----o
function LayOutReqStr($req)
//o-----o
{
    if ($req == '')
    {
        return '<i>n/a</i>';
    }
    $req = htmlentities($req);
    $tmp = explode(';', $req);
    if (count($tmp) > 1)
    {
        $req = join("<hr style='margin-bottom:0px;margin-top:0px;'><i><u>", $tmp);
    }
    $tmp = explode(':', $req);
    if (count($tmp) > 1)
    {
        $req = join(':', "</u><i>", $tmp);
    }
    $tmp = explode('\+', $req);
    if (count($tmp) > 1)
    {
        $req = implode('<+<br/>', $tmp);
    }
    return $req;
}

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}

#header('Content-Type: text/html; charset=ISO-8859-1');
echo '<link rel="stylesheet" type="text/css" href="css/style.css" />';
echo '<link rel="stylesheet" type="text/css" href="css/PBSMon.css" />';

$columns = "";
$db = new myJAM_DB();
$sql = 'SELECT '
      . ' FROM '
      . 'Hosts';

#phpinfo();
$nbResults = "sdo2600";
#$output=shell_exec("ssh -l root -i /var/www/html/PBSMon/scripts/TORQUE/ECD/ssh/PBSMon-
id_rsa $nbResults /opt/pbs/default/bin/qstat -wans");
#exec("/usr/bin/gstatssh",$output,$return);
#exec("/var/www/html/PBSMon/scripts/gstat",$output,$return);
exec("touch /var/www/html/PBSMon/tmp/gstat.out",$output,$return);
exec("cat /var/www/html/PBSMon/tmp/gstat.out",$output,$return);
#$output=file_get_contents("/var/www/html/PBSMon/gstat.out");

$nodes=GetNodes();
$queues=GetQueues();
$JobMatrix=array();
for ($i = 0; $i < count($nodes); $i++) {
    for ($j = 0; $j < count($queues); $j++) {
        $JobMatrix[$nodes[$i]][$queues[$j]]="";
    }
    $MaxJobs[$nodes[$i]]=0;
}

$numofjobs=array();
$numofjobs["R"]=0;
$numofjobs["Q"]=0;
$numofjobs["H"]=0;
$numofjobs["S"]=0;
$numofjobs["W"]=0;
$numofjobs["E"]=0;

$j=0;
$jobs=array();
for($i = 5; $i < count($output); ++$i) {

    $dummy=trim(substr($output[$i],0,30));

    if (strstr($dummy,"node")!= "") {
        $rstr1[$jid]=rtrim($output[$i]);
        foreach (explode("+",$rstr1[$jid]) as $nodestr) {
            $node=trim(preg_replace("/([a-zA-Z0-9]*)\[0-9\].*/","$1",$nodestr));
            $JobMatrix[$node][$queue[$jid]].=" $jobid[$jid]";
            $MaxJobs[$node]++;
        }
        continue;
    }
}

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if (strstr($dummy,"Job run")!=" " || strstr($dummy,"Not Run")!=" ") {
    $jobstring[$jid]=rtrim($output[$i]);
    continue;
}

if (strstr($dummy,"--")!=" ") {
    $rstrl[$jid]=rtrim($output[$i]);
    $jobstring[$jid]=rtrim($output[$i]);
    continue;
}

$j++;

$jid=trim(substr($output[$i],0,30));

$jobid[$jid]=trim(substr($output[$i],0,30));
$username[$jid]=trim(substr($output[$i],30,15));
$queue[$jid]=trim(substr($output[$i],47,15));
$jobname[$jid]=trim(substr($output[$i],63,15));
$sessionid[$jid]=trim(substr($output[$i],79,8));
$nds[$jid]=trim(substr($output[$i],88,4));
$tsk[$jid]=trim(substr($output[$i],93,5));
$reqmem[$jid]=trim(substr($output[$i],99,6));
$reqtime[$jid]=trim(substr($output[$i],106,5));
$state[$jid]=trim(substr($output[$i],112,2));
$elaptime[$jid]=trim(substr($output[$i],114,8));

if (strstr($reqmem[$jid],'mb')!=" ") {
    $reqmem[$jid]=str_replace('mb','',$reqmem[$jid])/1000 . 'gb';
}

$reqmem[$jid]=strtoupper($reqmem[$jid]);

if (!isset($numofjobs[$state[$jid]]))
{
    $numofjobs[$state[$jid]]=0;
}

$numofjobs[$state[$jid]]++;

/*
if($state[$jid]=="H"){
    echo $state[$jid];

    $jobs[$j]=$jid;

}

*/

if(isset($_POST['list_queuestatus']))
{
    $selected= $_POST['list_queuestatus'];

    switch($selected[$job]){

        case 'R':
            if($state[$jid]=="R"){
                $jobs[$j]=$jid;
            }
        }
    }
}

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    }
        break;
    case 'Q':
        if($state[$jid]=="Q"){
            $jobs[$j]=$jid;
        }
        break;
    case 'H':
        if($state[$jid]=="H"){
            $jobs[$j]=$jid;
        }
        break;
    case 'S':
        if($state[$jid]=="S"){
            $jobs[$j]=$jid;
        }
        break;
    case 'W':
        if($state[$jid]=="W"){
            $jobs[$j]=$jid;
        }
        break;
    case 'E':
        if($state[$jid]=="E"){
            $jobs[$j]=$jid;
        }
        break;
    case 'A':
        $jobs[$j]=$jid;
    }
}
else{
    $jobs[$j]=$jid;
}
}

// $columns = explode('c', $_POST['columns']);

echo '<table class="tabhead3">'
.'<tr><td>'
.'<table class="tabhead3" style="width:54%"><tr><th colspan="1"
align="left">Queueoverview:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbResults.</th></tr>'
.'</table>'
.'</td></tr>'
.'</table>'
;
echo '<table class="table1" cellpadding="2">'
.'<tr class="celltr">'
.'<th width="25%"></th>'
.'<th width="12%"><span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&Running</th>'
.'<th width="12%"><span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&Queued</th>'
.'<th width="12%"><span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&Held</th>'

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echo '<form action="main.php?page=queuestatus&';
echo '" method="POST">';
echo '<select name="list_queuestatus" onchange="this.form.submit();">';
echo get_options($selected);
echo '</select>';
echo '</form>';

echo '<table class="tabhead">';
echo '<tr><td>';
echo '<table class="tabhead1" style="width:100%;">';
echo '<tr><th colspan="1" align="left">Actual Jobs in Queues</td></tr>';
echo '</table>';
echo '</td></tr>';
echo '</table>';

echo '<table class="full" width="100%"><tr>';
$headerstuff = array(
    '1' => 'JobID'
    , '2' => 'User'
    , '3' => 'Queue'
    , '4' => 'Jobname'
    , '5' => 'SessionID'
    , '6' => 'NDS'
    , '7' => 'TSK'
    , '8' => 'ReqMem'
    , '9' => 'ReqTime'
    , '10' => 'Status'
    , '11' => 'ElapTime'
    , '12' => 'JobAction'
);

$stuffs = array(
    '1' => ' title="header=[JobID]'
        . ' body=[ '
        . 'The job unique indentifier'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]'
    , '2' => ' title="header=[User]'
        . ' body=[ '
        . 'User that owns the job'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]'
    , '3' => ' title="header=[Queue]'
        . ' body=[ '
        . 'The queue the job is in'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]'
    , '4' => ' title="header=[Jobname]'
        . ' body=[ '
        . 'The name of the job'

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        .']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '5' => ' title="header=[SessionID]'
        . ' body=['
        . 'The session id (if the job is running)'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '6' => ' title="header=[NDS]'
        . ' body=['
        . 'The number of compute nodes the job is using'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '7' => ' title="header=[TSK]'
        . ' body=['
        . 'The number of Cores requested by the job'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '8' => ' title="header=[ReqMem]'
        . ' body=['
        . 'The memory requested for the job'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '9' => ' title="header=[ReqTime]'
        . ' body=['
        . 'The walltime requested for the job'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '10' => ' title="header=[Status]'
        . ' body=['
        . 'The state of the job'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '11' => ' title="header=[ElapTime]'
        . ' body=['
        . 'The elapsed walltime for the job'
        . ']'
        . ' windowlock=[on]'
        . ' cssheader=[toolupper]'
        . ' cssbody=[toollower]"'
, '12' => 'title="header=[JobAction]'
        . 'body=[The action on the job]'
        . 'windowlock=[on]'
        . 'cssheader=[toolupper]'
        . 'cssbody=[toollower]"'
);

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//GenHeader('State', ' ', ' ');
foreach ($headerstuff as $key => $val)
for ($m = 1; $m <= count($headerstuff); ++$m) {
    GenHeader($headerstuff[$m], $stuffs[$m], ' ');
}

echo '</tr>';
//o-----0
//o-----0
//o-----0

$line=0;
$row=0;
foreach($jobs as $job)
{
    $line++;
    if ($row == 0)
    {
        $row = 1;
        $trstr='<tr id="PBSField1">';
    }
    else
    {
        $row = 0;
        $trstr='<tr id="PBSField2">';
    }
    // Farbe definieren
    echo $trstr;
    //echo ' <td id="state_'.$line.'">';

    $stuffstate='';

    switch($state[$job])
    {
        case 'F':
            $stuffstate='<span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Finished';
            break;
        case 'Q':
            $stuffstate='<span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Queued';
            break;
        case 'S':
            $stuffstate='<span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Suspend';
            break;
        case 'R':
            $stuffstate='<span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Running';
            break;
        case 'H':
            $stuffstate='<span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Held';
            break;
        case 'W':
            $stuffstate='<span></img></span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Waiting';
            break;
        case 'E':
```



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$stuffstate=<span></img></span>&nbsp;&nbsp;&nbsp;Error';
break;
}
//echo '</td>';
$stuffs = array(
    '1' => ' title="header=[' . $jobid[$job] . ']'
    . ' body=['
    . 'Requested: ' . LayOutReqStr($rstr1[$job])
    . ']'
    . ' windowlock=[on] '
    . ' cssheader=[toolupper] '
    . ' cssbody=[toollower]"'
    , '2' => ""
    , '3' => ""
    , '4' => ""
    , '5' => ""
    , '6' => ""
    , '7' => ""
    , '8' => ""
    , '9' => ""
    , '10' => ""
    , '11' => ""
    , '12' => ""
);
$rowstr = '';
//if (in_array('11', $columns))
//{
    $rowstr = '';
    $stuffs['11'] = 'id="appl_'. $line. '""';
//}

#,'8' => MemOut($reqmem[$job] * 1024)
#,'10' => $state[$job]
$insides=array(
    '1' => $jobid[$job]
    , '2' => htmlentities($username[$job])
    , '3' => htmlentities($queue[$job])
    , '4' => $jobname[$job]
    , '5' => $sessionid[$job]
    , '6' => htmlentities($nds[$job])
    , '7' => htmlentities($tsk[$job])
    , '8' => $reqmem[$job]
    , '9' => $reqtime[$job]
    , '10' => $stuffstate
    , '11' => $elaptime[$job]
    , '12' => $jobaction[$job]
);
$l=1;
foreach($insides as $key => $val)
{
    echo create_table_row($val,$stuffs[$l]);
    $l++;
}
echo '</tr>';

if (isset($rstr1[$job])) {
    $line++;
}

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[illegible]