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Te Whare Wānaka o Aoraki

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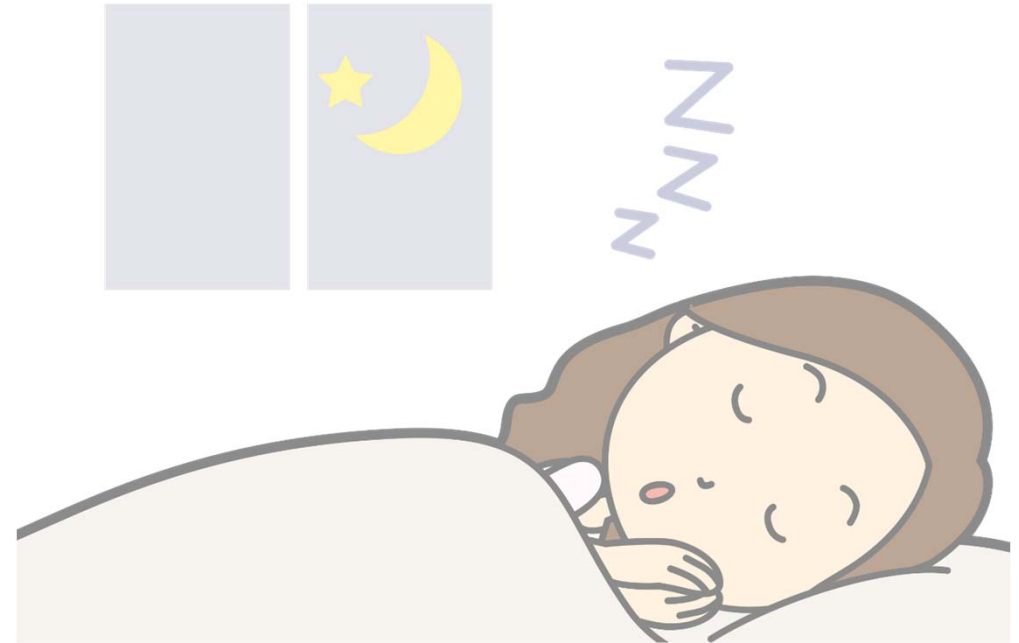
Automatic system alerts on Primo or, How to respond to a system outage in your sleep

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The problem



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The solution



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Step 1 – System status

System Status

Single Tenant

Privacy Policy

Security

	Instances	Email Alerts	Current Status	May-22	May-21	May-20	May-19	May-18	Scheduled Maintenance
<input checked="" type="checkbox"/>	Alma AP01								
<input checked="" type="checkbox"/>	Primo MT APAC01								

 Service is operating normally  Information/Service Alert Information  Performance issues  Service disruption  Scheduled maintenance



<http://status.exlibrisgroup.com/>



https://status.exlibrisgroup.com/?page_id=5511

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Step 2 – Access the API

```
function getStatus($url,$envs) {
    global $use_cached_data, $curl_opt_ssl_verifypeer;
    if ($use_cached_data == true) {
        $result = checkCache($url.$envs);
    } else {
        $result = false;
    }
    if (!$result) {
        $data = "act=get_status&client=xml&envs=".$envs;
        $ch = curl_init($url);
        curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
        curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: application/x-www-form-urlencoded'));
        curl_setopt($ch, CURLOPT_POST, true);
        curl_setopt($ch, CURLOPT_POSTFIELDS, $data);
        curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, $curl_opt_ssl_verifypeer);
        $result = curl_exec($ch);
        curl_close($ch);
        if (!$result) {
            $result = getCache($url.$envs);
        } else {
            createCache($url.$envs,$result);
        }
    }
    return $result;
}
```

Step 3 – Parse the results

```
$status = simplexml_load_string(getStatus($url,$envs));

foreach($status->instance as $i) {
    if ($i->attributes()->service == "Alma") {
        $status_A = (array)($i->attributes()->status);
        $note_A = preg_replace('/\s/', ' ',(string)($i->schedule));
    }
    if ($i->attributes()->service == "Primo") {
        $status_P = (array)($i->attributes()->status);
        $note_P = preg_replace('/\s/', ' ',(string)($i->schedule));
    }
}

$status_A = $status_A[0];
$status_P = $status_P[0];

$pattern = '/(\d*-\w{3}-\d{4} UTC \d*:\d{2}:\d{2})(.*)/';
if (preg_match($pattern,$note_A,$match_A)) {
    $note_A = explode('UTC', $match_A[2]);
    $note_A = $note_A[count($note_A)-1];
    $note_A = $match_A[1]. ' ' . $note_A;
    $note_A = strip_tags($note_A);
    $note_A = preg_replace('/[^a-zA-Z0-9:.-]/','',$note_A);
}
}
```

Step 4 – .js.php

```
status_A = '<? echo $status_A; ?>';  
note_A = '<? echo $note_A; ?>';  
status_P = '<? echo $status_P; ?>';  
note_P = '<? echo $note_P; ?>';
```

```
if (status_A == "PERF" || status_A == "ERROR" || status_A == "MAINT") {  
    theAlert = theAlert + 'Automated note: <strong>' + '<? echo $readable_status[$status_A]; ?>' + '</strong>';  
    if (status_A == "MAINT") {  
        theAlert = theAlert + ' in progress';  
    } else {  
        theAlert = theAlert + ' detected';  
    }  
    theAlert = theAlert + '. Some functions (eg requests, renewals, availability statuses, and/or links to full-text) may be ';  
    if (status_A == "PERF") {  
        theAlert = theAlert + 'slow';  
    } else {  
        theAlert = theAlert + 'temporarily unavailable';  
    }  
}  
if (status_P == "PERF" || status_P == "ERROR" || status_P == "MAINT") {  
    theAlert = theAlert + 'Automated note: <strong>' + '<? echo $readable_status[$status_P]; ?>' + '</strong>';  
    if (status_P == "MAINT") {  
        theAlert = theAlert + ' in progress';  
    } else {
```

Step 5 – DOM

```
function warningNote(warningText) {  
    var warningPlace = document.getElementsByTagName("prm-search-bar")[0];  
    var warningNote = document.createElement("div");  
    warningNote.id = "warningNote";  
    warningNote.className = "bar alert-bar layout-align-center-center layout-row";  
    warningNote.innerHTML = warningText;  
    warningPlace.parentNode.insertBefore(warningNote,warningPlace.nextSibling);  
}
```


Step 6 – Angular JS

```
(function () {
  "use strict";
  'use strict';
  var app = angular.module('viewCustom', ['angularLoad']);

  /* Begin prmMainMenuAfter */
  app.component('prmMainMenuAfter', {
    bindings: { parentCtrl: '<' },
    controller: function($scope) {
      /* Add in Warning Note script */
      setTimeout(function() {
        var y = document.getElementsByTagName("script")[0];
        var z = document.createElement("script");
        z.type = "text/javascript";
        z.async = true;
        z.src = "https://yourdomain.edu/path/to/warningnote/warningnote.js.php"; // your url here!
        y.parentNode.insertBefore(z, y);
      }, 3000); // add note 3 seconds after main menu loads - modify to suit your environment

      /* End Warning Note */
    }
  });
  /* End prmMainMenuAfter */

})();
```

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Include items with no full text to request interloan, purchase etc



Sheep. | 1960

P. G. Stevens, (Percival George), 1901-1980.

Available in: Main Shelves (SF375.5 .N45 Ste 2nd ed) and other copies

Sort by Relevance

2

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Config

```
<?php
```

```
$alma = ""; // eg "Alma AP01";  
$primo = ""; // eg "Primo MT APAC01";  
$use_cached_data = true;  
$cache_folder = 'cache/';  
$cache_seconds = 1 * 60;  
$manual_note = "warningnote.txt";
```

```
$curlpt_ssl_verifypeer = true;
```

```
$readable_status = array(  
    'OK' => 'Operating normally',  
    'PERF' => 'Performance issues',  
    'ERROR' => 'Service disruption',  
    'MAINT' => 'Scheduled maintenance',  
    'SERVICE' => 'Operating normally but note: ',  
);
```

```
$auto_apology = "Full service will be restored as soon as possible. In the meantime you may wish to search directly through our databases.  
We apologise for the inconvenience."; //remember to escape any double-quotes eg \"
```

```
?>
```

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Test page



Are all files present?

- ✓ **cache.php**: present and accounted for.
- ✓ **config.php**: present and accounted for.
- ✓ **status.php**: present and accounted for.
- ✓ **warningnote.js.php**: present and accounted for.

Is your configuration correct?

Check these settings and make any edits necessary in `config.php`.

- ? Your **Alma instance** is recorded as: Alma AP01
- ✗ Your **Primo instance** is not defined.
- ✗ You **are not** using the caching functionality. It's recommended to change `$use_cached_data` to `true` to avoid overloading the API, especially if your site is heavily used.
- ✓ You can add a **manual note** to the file: `warningnote.txt`. Currently this file contains the text: "This is a test manual note. Usually you'll want a blank file."
- ? **Automated statuses** will be described as: "Performance issues", "Service disruption", or "Scheduled maintenance" (with some elaboration per `warningnote.js.php`).
- ? Automated warnings will **conclude** with: "Full service will be restored as soon as possible. In the meantime you may wish to search directly through our databases. We apologise for the inconvenience."

Can you communicate with other websites?

- ✓ You can **post data** to other websites (or at least to <https://httpbin.org/post>) and receive the response.

Is caching working?

Code: <https://github.com/LincolnUniLTL/warningnote>

