



# Action Plan Report

Application: 402 Project


Analysis label: initial



Analysis date: 2016/03/10 20:53

Report date: 2016/03/10 21:09

# OVERVIEW

This action plan is the result of a What If exercise calculated in order to get better in quality spending the less as possible. In this section Kiuwan provides the main numbers as they are now and as they are going to be if all suggested correction wil be done.

Effort to spend  
  
2.45 Hours

	As is 	To be 
Risk index	23.91	0.10
Global indicator	76.53	90.78
Effort to target	2 h	0 h

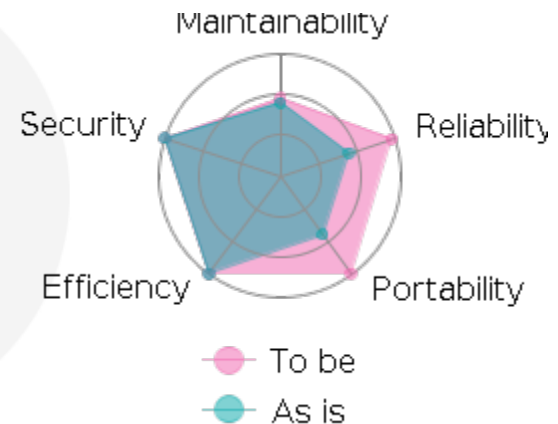
# INDICATOR VALUES

You have the model indicators in the current analysis and the ones that you are going to get if you executes this Action Plan.

	As is	To be
Maintainability	59.67	63.37
Reliability	59.68	97.23
Portability	59.46	99.52
Efficiency	100	100
Security	100	100
Global indicator	76.53	90.78

## Global indicator

90.78



# EFFORT TO SPEND

In this chapter you have a detailed budget of this action plan.  
You get a breakdown according to the software characteristics defined in CQM model.

## Effort to spend

2.45 Hours

Effort to spend	
Efficiency	0 Hours
Maintainability	0.95 Hours
Portability	0.6 Hours
Reliability	0.9 Hours
Security	0 Hours
Total	2.45 Hours



# DETAILED ACTION PLAN

This chapter contains the technical information of the Action Plan. You have a different section for each broken rule.

About each rule you have the number of defects that you have to correct and the number of files that you need to change. In addition you get the software characteristic, the language, the priority (importance) and the difficulty (represents the time you need to apply the change).

Then you can read (in bold) each file that contains defects, and at the end the line number and the text line where you can find the defect.

1 Defect(s)		Maintainability	Priority 1
1 File(s)	Do not update control vars in 'for' loop body.	javascript	Effort 30m
DRP/vendor/assets/javascripts/underscore.js			
5	<pre>(function(){function n(n){function t(t,r,e,u,i,o){for(;i&gt;=0&amp;&amp;o&gt;i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&amp;&amp;m.keys(r),a=(o  r).length,c=n&gt;0?0:a-1;return arguments.length&lt;3&amp;&amp;(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e){r=x(r,e);for(var u=O(t),i=n&gt;0?0:u-1;i&gt;=0&amp;&amp;u&gt;i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r){return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n&gt;0?o=i&gt;=0?i:Math.max(i+a,o):a=i&gt;=0?Math.min(i+1,a):i+a+1;else if(r&amp;&amp;i&amp;&amp;a)return i=r(e,u),e[i]==u?-1;if(u!==u)return i=t(l.call(e,o,a),m.isNaN),i&gt;=0?i+o:-1;for(i=n&gt;0?o:a-1;i&gt;=0&amp;&amp;a&gt;i;i+=n)if(e[i]==u)return i;return-1}}function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&amp;&amp;e.prototype  a,i="constructor";for(m.has(n,i)&amp;&amp;!m.contains(t,i)&amp;&amp;t.push(i);r--;)i=l[r],i in n&amp;&amp;n[i]!==u[i]&amp;&amp;!m.contains(t,i)&amp;&amp;t.push(i)}var u=this,i=u.__,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!</pre>		

2 Defect(s)		Maintainability	Priority 2
1 File(s)	Avoid statements without semicolon.	javascript	Effort 3m

DRP/vendor/assets/javascripts/underscore.js

```

5  (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
    return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
    arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
    {r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
    {return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
    +a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?-1;if(u!==u)return
    i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
    function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
    a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
    m.contains(t,i)&&t.push(i)}var
    u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.toS
6  //# sourceMappingURL=underscore-min.map

```

1 Defect(s)		Reliability	Priority 1
1 File(s)	Avoid assignment in conditions.	javascript	Effort 6m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&!
m.contains(t,i)&&t.push(i)}var
u=this,i=u.__,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!

```

1 Defect(s)

1 File(s)

Define variables with var.

Reliability  
javascriptPriority 2  
Effort 6m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&!
m.contains(t,i)&&t.push(i)}var
u=this,i=u.__,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!

```

2 Defect(s)  
1 File(s)

Avoid unused function parameters.

Reliability  
javascript

Priority 3  
Effort 3m

DRP/vendor/assets/javascripts/underscore.js

- 5 (function() { function n(n) { function t(t, r, e, u, i, o) { for (; i >= 0 && o > i; i += n) { var a = u ? u[i] : i; e = r(e, t[a], a, t) } return e } return function(r, e, u, i) { e = b(e, i, 4); var o = !k(r) && m.keys(r), a = (o || r).length, c = n > 0 ? 0 : a - 1; return arguments.length < 3 && (u = r[o ? o[c] : c], c += n), t(r, e, u, o, c, a) } } function t(n) { return function(t, r, e) { r = x(r, e); for (var u = O(t), i = n > 0 ? 0 : u - 1; i >= 0 && u > i; i += n) if (r(t[i], i, t)) return i; return -1 } } function r(n, t, r) { return function(e, u, i) { var o = 0, a = O(e); if ("number" === typeof i) n > 0 ? o = i >= 0 ? i : Math.max(i + a, o) : a = i >= 0 ? Math.min(i + 1, a) : i + a + 1; else if (r && i && a) return i = r(e, u), e[i] === u ? i - 1 : if (u !== u) return i = t(l.call(e, o, a), m.isNaN), i >= 0 ? i + o : -1; for (i = n > 0 ? o : a - 1; i >= 0 && a > i; i += n) if (e[i] === u) return i; return -1 } } function e(n, t) { var r = l.length, e = n.constructor, u = m.isFunction(e) && e.prototype || a, i = "constructor"; for (m.has(n, i) && !m.contains(t, i) && t.push(i); r--;) i = l[r], i in n && n[i] !== u[i] && !m.contains(t, i) && t.push(i); var u = this, i = u.\_\_, o = Array.prototype, a = Object.prototype, c = Function.prototype, f = o.push, l = o.slice, s = a.to!
- 5 (function() { function n(n) { function t(t, r, e, u, i, o) { for (; i >= 0 && o > i; i += n) { var a = u ? u[i] : i; e = r(e, t[a], a, t) } return e } return function(r, e, u, i) { e = b(e, i, 4); var o = !k(r) && m.keys(r), a = (o || r).length, c = n > 0 ? 0 : a - 1; return arguments.length < 3 && (u = r[o ? o[c] : c], c += n), t(r, e, u, o, c, a) } } function t(n) { return function(t, r, e) { r = x(r, e); for (var u = O(t), i = n > 0 ? 0 : u - 1; i >= 0 && u > i; i += n) if (r(t[i], i, t)) return i; return -1 } } function r(n, t, r) { return function(e, u, i) { var o = 0, a = O(e); if ("number" === typeof i) n > 0 ? o = i >= 0 ? i : Math.max(i + a, o) : a = i >= 0 ? Math.min(i + 1, a) : i + a + 1; else if (r && i && a) return i = r(e, u), e[i] === u ? i - 1 : if (u !== u) return i = t(l.call(e, o, a), m.isNaN), i >= 0 ? i + o : -1; for (i = n > 0 ? o : a - 1; i >= 0 && a > i; i += n) if (e[i] === u) return i; return -1 } } function e(n, t) { var r = l.length, e = n.constructor, u = m.isFunction(e) && e.prototype || a, i = "constructor"; for (m.has(n, i) && !m.contains(t, i) && t.push(i); r--;) i = l[r], i in n && n[i] !== u[i] && !m.contains(t, i) && t.push(i); var u = this, i = u.\_\_, o = Array.prototype, a = Object.prototype, c = Function.prototype, f = o.push, l = o.slice, s = a.to!



1 Defect(s)	Avoid unused local variable.	Reliability	Priority 3
1 File(s)		javascript	Effort 3m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
m.contains(t,i)&&t.push(i)}var
u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.toStrin

```

1 Defect(s)	Potential infinite loops.	Reliability	Priority 2
1 File(s)		javascript	Effort 30m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&!
m.contains(t,i)&&t.push(i)}var
u=this,i=u.____,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!

```

1 Defect(s)

1 File(s)

Avoid using single quotes in literals.

Reliability  
javascriptPriority 4  
Effort 3m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&!
m.contains(t,i)&&t.push(i)}var
u=this,i=u.____,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!

```

1 Defect(s)	Non-portable function check.	Portability	Priority 2
1 File(s)		javascript	Effort 6m

DRP/vendor/assets/javascripts/underscore.js

```
5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
m.contains(t,i)&&t.push(i)}var
u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!
```

1 Defect(s)	Do not use function declarations within blocks.	Portability	Priority 4
1 File(s)		javascript	Effort 30m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
m.contains(t,i)&&t.push(i)}var
u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!

```

1 Defect(s)

1 File(s)

Place body of if statements between braces.

Maintainability  
javascriptPriority 3  
Effort 6m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
m.contains(t,i)&&t.push(i)}var
u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!

```

1 Defect(s)	Follow naming standards for JavaScript identifiers.	Maintainability	Priority 4
1 File(s)		javascript	Effort 3m

DRP/vendor/assets/javascripts/underscore.js

```
5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
m.contains(t,i)&&t.push(i)}var
u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to!
```

1 Defect(s)	Place whitespaces between logical operators and	Maintainability	Priority 4
1 File(s)	its operands.	javascript	Effort 3m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
m.contains(t,i)&&t.push(i)}var
u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to

```

1 Defect(s)	Use default clause at the end of the switch statement.	Maintainability	Priority 4
1 File(s)		javascript	Effort 6m

DRP/vendor/assets/javascripts/underscore.js

```

5 (function(){function n(n){function t(t,r,e,u,i,o){for(;i>=0&&o>i;i+=n){var a=u?u[i]:i;e=r(e,t[a],a,t)}
return e}return function(r,e,u,i){e=b(e,i,4);var o=!k(r)&&m.keys(r),a=(o||r).length,c=n>0?0:a-1;return
arguments.length<3&&(u=r[o?o[c]:c],c+=n),t(r,e,u,o,c,a)}}function t(n){return function(t,r,e)
{r=x(r,e);for(var u=O(t),i=n>0?0:u-1;i>=0&&u>i;i+=n)if(r(t[i],i,t))return i;return-1}}function r(n,t,r)
{return function(e,u,i){var o=0,a=O(e);if("number"==typeof i)n>0?o=i>=0?i:Math.max(i
+a,o):a=i>=0?Math.min(i+1,a):i+a+1;else if(r&&i&&a)return i=r(e,u),e[i]==u?i:-1;if(u!==u)return
i=t(l.call(e,o,a),m.isNaN),i>=0?i+o:-1;for(i=n>0?o:a-1;i>=0&&a>i;i+=n)if(e[i]==u)return i;return-1}}
function e(n,t){var r=l.length,e=n.constructor,u=m.isFunction(e)&&e.prototype||
a,i="constructor";for(m.has(n,i)&&!m.contains(t,i)&&t.push(i);r--;)i=l[r],i in n&&n[i]!==u[i]&&
m.contains(t,i)&&t.push(i)}var
u=this,i=u._,o=Array.prototype,a=Object.prototype,c=Function.prototype,f=o.push,l=o.slice,s=a.to

```

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1 Defect(s)	Use descriptive comments in the pages.	Maintainability	Priority 4
1 File(s)		html	Effort 3m

DRP/public/422.html

-2 \*Line of code not available (optional)



## ABOUT OPTIMYTH

Optimyth is an independent software company specialized in solutions to support large companies with their rationalization, quality and productivity management initiatives whilst improving the overall maintainability of the software estate. Our solutions raise the quality and increase the performance of business systems. They improve the efficiency, cost control and productivity within an organization, thus achieving maximum IT value.

These solutions are based on our state of the art checking products: an Integrated Application Quality Management Portal which aggregates information from all the stages of a development life cycle into one "single pane of glass". And, an Application Inventory Management system that allows companies to untangle the complexity of their application through automatic discovery of software components, and the relationships between them at different levels, enabling rationalization initiatives and impact analysis capabilities to reduce maintenance costs.

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