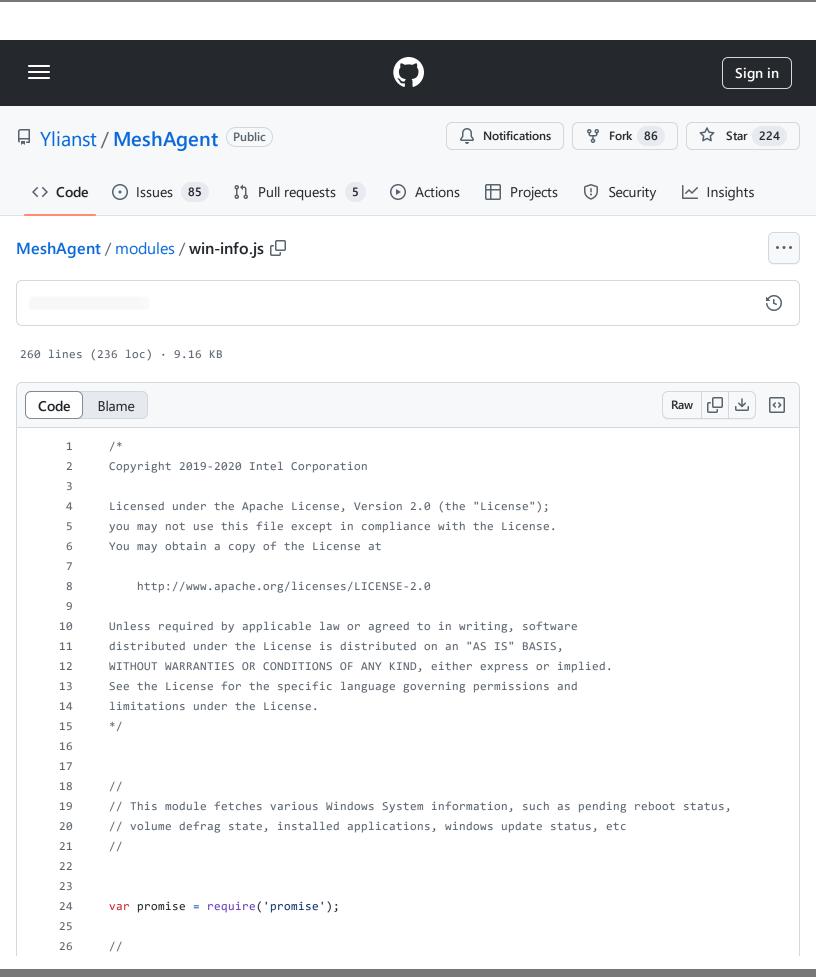
MeshAgent/modules/win-info.js at 52cf129ca43d64743181fbaf940e0b4ddb542a37 · Ylianst/MeshAgent · GitHub - 31/10/2024 19:03 https://github.com/Ylianst/MeshAgent/blob/52cf129ca43d64743181fbaf940e0b4ddb542a37/modules/win-info.js#L55



```
27
       // This function queries WMI to fetch Windows Update Status
28
      function qfe()
29
30
       {
           var child = require('child_process').execFile(process.env['windir'] + '\\System32\\wbem\\wmic.e
31
           child.stdout.str = ''; child.stdout.on('data', function (c) { this.str += c.toString(); });
32
           child.stderr.str = ''; child.stderr.on('data', function (c) { this.str += c.toString(); });
33
           child.waitExit();
34
35
36
           var lines = child.stdout.str.trim().split('\r\n');
           var keys = lines[0].split(',');
37
38
           var i, key;
           var tokens;
39
40
           var result = [];
41
           for (i = 1; i < lines.length; ++i)</pre>
42
43
           {
               var obj = {};
44
               tokens = lines[i].split(',');
45
               for (key = 0; key < keys.length; ++key)</pre>
46
47
               {
                   if (tokens[key]) { obj[keys[key]] = tokens[key]; }
48
49
               }
               result.push(obj);
50
51
           return (result);
52
53
       }
54
55
       // This function uses Windows Powershell to fetch metadata about the currently configured AntiVirus
      function av()
56
57
           var child = require('child_process').execFile(process.env['windir'] + '\\System32\\WindowsPower
58
           if (child == null) { return ([]); }
59
60
           child.descriptorMetadata = 'process-manager';
61
           child.stdout.str = ''; child.stdout.on('data', function (c) { this.str += c.toString(); });
62
           child.stderr.str = ''; child.stderr.on('data', function (c) { this.str += c.toString(); });
63
64
65
           child.stdin.write('[reflection.Assembly]::LoadWithPartialName("system.core")\r\n');
           child.stdin.write('Get-WmiObject -Namespace "root/SecurityCenter2" -Class AntiVirusProduct | ')
           child.stdin.write('ForEach-Object -Process { ');
67
           child.stdin.write('$Bytes = [System.Text.Encoding]::UTF8.GetBytes($_.displayName); ');
68
           child.stdin.write('$EncodedText =[Convert]::ToBase64String($Bytes); ');
69
           child.stdin.write('Write-Host ("{0},{1}" -f $_.productState,$EncodedText); }\r\n');
70
71
           child.stdin.write('exit\r\n');
72
           child.waitExit();
```

```
73
 74
            if (child.stdout.str == '') { return ([]); }
 75
 76
            var lines = child.stdout.str.trim().split('\r\n');
 77
            var result = [];
            for (i = 0; i < lines.length; ++i)</pre>
 78
 79
            {
 80
                 var keys = lines[i].split(',');
 81
                 if(keys.length == 2)
 82
 83
                     var status = {};
 84
                     status.product = Buffer.from(keys[1], 'base64').toString();
 85
                     status.updated = (parseInt(keys[0]) & 0x10) == 0;
 86
                     status.enabled = (parseInt(keys[0]) & 0x1000) == 0x1000;
                     result.push(status);
                 }
 88
 89
            }
 90
            return (result);
 91
        }
 92
 93
        //
 94
        // This function uses the defrag system utility to query defrag state of the specified volume
95
 96
        // Note: options.volume must be specified
97
        function defrag(options)
98
99
            var ret = new promise(function (res, rej) { this._res = res; this._rej = rej; });
100
            var path = '';
101
102
            switch(require('os').arch())
103
            {
                 case 'x64':
104
105
                     if (require('_GenericMarshal').PointerSize == 4)
106
                         // 32 Bit App on 64 Bit Windows
107
108
                         ret._rej('Cannot defrag volume on 64 bit Windows from 32 bit application');
109
                         return (ret);
                     }
110
                     else
111
112
                     {
113
                         // 64 Bit App
                         path = process.env['windir'] + '\\System32\\defrag.exe';
114
115
                     }
116
                     break;
                 case 'ia32':
117
112
                     // 32 Rit Ann on 32 Rit Windows
```

MeshAgent/modules/win-info.js at 52cf129ca43d64743181fbaf940e0b4ddb542a37 · Ylianst/MeshAgent · GitHub - 1/10/2024 19:03 https://github.com/Ylianst/MeshAgent/blob/52cf129ca43d64743181fbaf940e0b4ddb542a37/modules/win-nfo.js#L55	
110	// SE DIE APP ON SE DIE MINGONS

```
187
                ret = 'Windows Update';
188
189
            }
            else if ((tmp=regQuery(HKEY.LocalMachine, 'SYSTEM\\CurrentControlSet\\Control\\Session Manager'
190
191
            {
192
                ret = 'File Rename';
193
            else if (regQuery(HKEY.LocalMachine, 'SYSTEM\\CurrentControlSet\\Control\\ComputerName\\Active(
194
195
196
                ret = 'System Rename';
197
            }
            return (ret);
198
199
        }
200
201
        //
        // Returns a promise that fetches the list of installed applications
202
203
       function installedApps()
204 🗸
205
            var promise = require('promise');
206
            var ret = new promise(function (a, r) { this._resolve = a; this._reject = r; });
207
208
209
            var code = "\
```

```
210
            var reg = require('win-registry');\
211
            var result = [];\
212
            var val, tmp;\
213
            var items = reg.QueryKey(reg.HKEY.LocalMachine, 'SOFTWARE\\\Microsoft\\\\Windows\\\\CurrentVer
214
            for (var key in items.subkeys)\
215
            {\
                val = {}; \
216
217
                try\
218
                {\
                    val.name = reg.QueryKey(reg.HKEY.LocalMachine, 'SOFTWARE\\\\Microsoft\\\\Windows\\\\Cur
219
220
                }\
                catch(e)\
221
222
                {\
223
                    continue;\
224
                }\
225
                try\
226
                {\
                    val.version = reg.QueryKey(reg.HKEY.LocalMachine, 'SOFTWARE\\\Microsoft\\\\Windows\\\\
227
                    if (val.version == '') { delete val.version; }\
228
                }\
229
230
                catch(e)\
231
                {\
232
                }\
233
                try\
234
                {\
235
                    val.location = reg.QueryKey(reg.HKEY.LocalMachine, 'SOFTWARE\\\\Microsoft\\\\Windows\\\
236
                    if (val.location == '') { delete val.location; }\
237
                }\
                catch(e)\
238
239
                {\
240
                }\
                result.push(val);\
241
242
            }\
            console.log(JSON.stringify(result, '', 1));process.exit();";
243
244
            ret.child = require('child_process').execFile(process.execPath, [process.execPath.split('\\').f
245
246
            ret.child.promise = ret;
            ret.child.stdout.str = ''; ret.child.stdout.on('data', function (c) { this.str += c.toString();
247
            ret.child.on('exit', function (c) { this.promise._resolve(JSON.parse(this.stdout.str.trim()));
248
            return (ret);
249
        }
250
251
252
        if (process.platform == 'win32')
253
        {
254
            module.exports = { qfe: qfe, av: av, defrag: defrag, pendingReboot: pendingReboot, installedApp
255
        }
```

 $\label{lem:meshAgent/modules/win-info.js} \begin{tabular}{l} MeshAgent/modules/win-info.js at 52cf129ca43d64743181fbaf940e0b4ddb542a37 \cdot Ylianst/MeshAgent \cdot GitHub-31/10/2024 \ 19:03 \ https://github.com/Ylianst/MeshAgent/blob/52cf129ca43d64743181fbaf940e0b4ddb542a37/modules/win-info.js#L55 \end{tabular}$

```
256    else
257    {
258         var not_supported = function () { throw (process.platform + ' not supported'); };
259         module.exports = { qfe: not_supported, av: not_supported, defrag: not_supported, pendingReboot:
260    }
```