

---

Subject: Re: [SysInfo - Improvement - Koldo] Better way to find distribution version & more

Posted by [Klugier](#) on Thu, 31 Oct 2013 16:01:53 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello Koldo,

Alternative paths, can be done in this way:

```
static double GetCpuTemperatureHWMON()
{
    FindFile ff;
    double sumTemps = 0.0;
    int count      = 0;

    String path = "/sys/class/hwmon/";

    if (ff.Search(AppendFileName(path, "device"))) {
        path += ff.GetName() + "/";
    }
    else {
        String tempPath;
        for (ff.Search(AppendFileName(path, "hwmon*")); ff; ff.Next()) {
            FindFile hwmonFF;

            tempPath = path;
            tempPath += ff.GetName() + "/";
            if (hwmonFF.Search(AppendFileName(tempPath, "device"))) {
                tempPath += hwmonFF.GetName() + "/";
            }

            if (hwmonFF.Search(AppendFileName(tempPath, "*input"))) {
                if (!hwmonFF.IsDirectory()) {
                    path = tempPath;
                    break;
                }
            }
        }
        if (!tempPath.IsEmpty() && tempPath != path)
            path = tempPath;
    }

    for (ff.Search(AppendFileName(path, "*input")); ff; ff.Next()) {
        if (!ff.IsHidden()) {
            String temp = LoadFile_Safe(ff.GetPath());
            if (!temp.IsEmpty()) {
                sumTemps += static_cast <double> ((StrToInt(temp))) / 1000.0;
            }
        }
    }
}
```

```
    count++;  
  }  
}  
}  
if (count == 0)  
  return Null;  
return sumTemps / count;  
}
```

\* Additional changes:

- change casting method to more safer.
- changed "0." to "0.0" (Are you sure that 0. is more readable than 0.0???)

\* TODO:

- create function static String "findHWMONInputFilesPath()" - ALTERNATIVE METHOD

Sincerely,  
Klugier

---