

Quality Check Report

File Options

main.cpp

Total Instances: 32
Total Checks Involved: 8
Total Lines Involved: 19

The Source Checks report points out exceptions to generally agreed upon design and coding practices.

Number of Built-In Operators

```
65: if ((text[i]==0x0d && text[i+1]==0x0a) || (text[i+1]==0x0d && text[i]==0x0a))
74: if (((f[i-1] == 0x0d) && (f[i-2] == 0x0a)) || ((f[i-2] == 0x0d) && (f[i-1] == 0x0a)))
65: if ((text[i]==0x0d && text[i+1]==0x0a) || (text[i+1]==0x0d && text[i]==0x0a))
74: if (((f[i-1] == 0x0d) && (f[i-2] == 0x0a)) || ((f[i-2] == 0x0d) && (f[i-1] == 0x0a)))
```

Conversion Issue

```
41: beforenextline = i;
43: linelen = i - beforenextline - whatnewline(text, i);
41: beforenextline = i;
43: linelen = i - beforenextline - whatnewline(text, i);
```

Old Style Allocator

```
44: wchar_t* string = (wchar_t*) malloc((linelen + 1) * sizeof(wchar_t));
48: free(string);
44: wchar_t* string = (wchar_t*) malloc((linelen + 1) * sizeof(wchar_t));
48: free(string);
```

Over 20 source checks are included.

Needs Compound Statement

```
34: if (!text[i = nextline(text, i)]) break;
63: while(text[i]!=0x0d && text[i]!=0x0a && text[i]!=0)
64: i++;
65: if ((text[i]==0x0d && text[i+1]==0x0a) || (text[i+1]==0x0d && text[i]==0x0a))
66: i++;
67: if (text[i])
68: i++;
74: if (((f[i-1] == 0x0d) && (f[i-2] == 0x0a)) || ((f[i-2] == 0x0d) && (f[i-1] == 0x0a)))
75: return 2;
78: if (f[i-1] == 0x0d || f[i-1] == 0x0a)
79: return 1;
34: if (!text[i = nextline(text, i)]) break;
63: while(text[i]!=0x0d && text[i]!=0x0a && text[i]!=0)
64: i++;
65: if ((text[i]==0x0d && text[i+1]==0x0a) || (text[i+1]==0x0d && text[i]==0x0a))
66: i++;
67: if (text[i])
68: i++;
74: if (((f[i-1] == 0x0d) && (f[i-2] == 0x0a)) || ((f[i-2] == 0x0d) && (f[i-1] == 0x0a)))
75: return 2;
78: if (f[i-1] == 0x0d || f[i-1] == 0x0a)
79: return 1;
```

Source check violations are also flagged in the File Editor.

Jump Statement

```
34: if (!text[i = nextline(text, i)]) break;
34: if (!text[i = nextline(text, i)]) break;
```

Return Ignored

```
45: wcsncpy(string, &text[beforenextline], linelen);
45: wcsncpy(string, &text[beforenextline], linelen);
```

Potential Static Function

```
72: unsigned int whatnewline(wchar_t* f, int i) {
```

Alternatively, the report can focus on a single source check and show all violations across the project's source code.