

CBECC Software Project Management Enhancements

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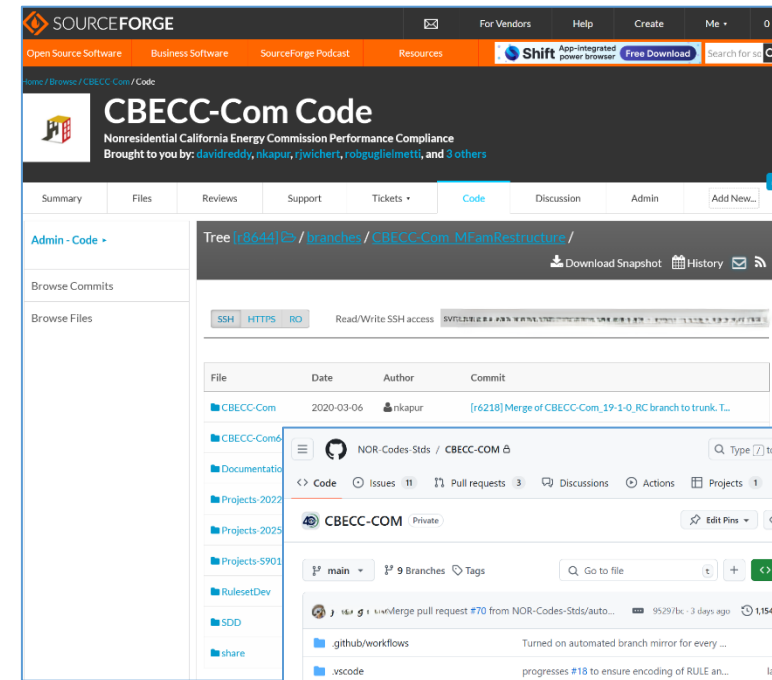
```
double dblTemp;  
bool again = true;  
  
while (again) {  
    iN = -1;  
    again = false;  
    getline(cin, sInput);  
    system("cls");  
    stringstream(sInput) >> dblTemp;  
    iLength = sInput.length();  
    if (iLength < 4) {  
        again = true;  
        continue;  
    } else if (sInput[iLength - 3] != '.') {  
        again = true;  
        continue;  
    } while (++iN < iLength) {  
        if (isdigit(sInput[iN])) {  
            continue;  
        } else if (iN == (iLength - 3)) {  
            continue;  
        }  
    }  
}
```

Image: Pixabay 583537

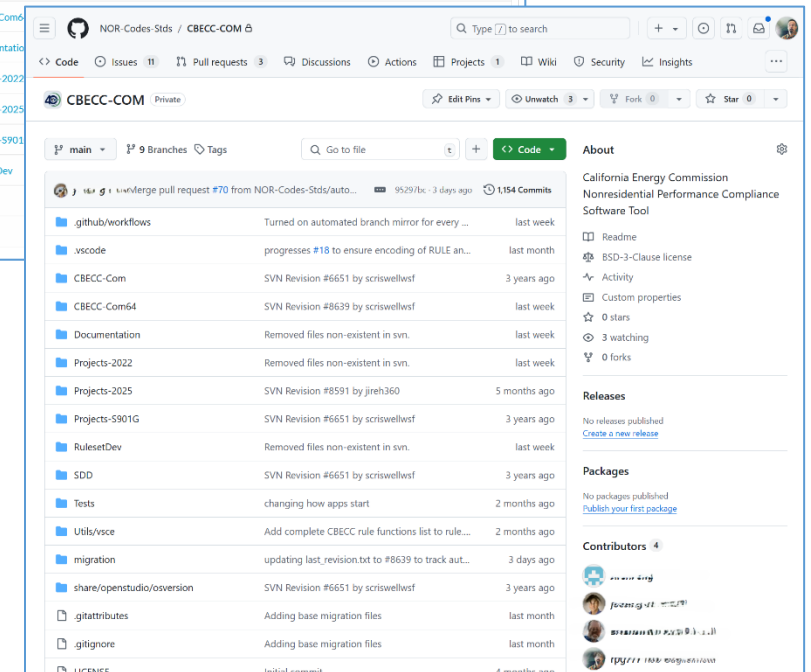
What is Happening?

- CBECC source code migration (a “new home” for the source code)
- SVN/SourceForge → Git/GitHub
- Same software, same developer team, new tools and processes for development, delivery, and enhancement

Current Home
SourceForge



Future Home
GitHub



Images: Screenshot, R. Guiliemetti

Why is This Happening?

CBECC is ***open source software***; this effort will use more of the open source ecosystem (e.g. tools and processes) ***to aid the team*** in producing and maintaining CBECC, and ***centralize*** the way CBECC is supported and shared with the public.

What are the Benefits?

- Improved communication, both internal and external
- Software quality assurance (QA/QC)
- Continuous software integration and delivery (CI/CD)
- Documentation, Alternate Compliance Method (ACM) Reference Manual
- End user support & training
- 3rd party developer support & certification
- Beta testing, feature development

What are the Benefits?

- Centralized Software Delivery:
 - Source code
 - Releases/installers
 - Documentation
 - 3rd party developer interaction
 - Automated testing and reporting
 - Discussion forums

What is the Progress?

- Migration in progress
- Dev team to be developing CBECC (aka CBECC-COM) in GitHub by December 2024
- Future improvements and changes to be added in 2025