

A background image of a modern office environment. In the foreground, the lower legs and feet of several people are visible, standing on a light-colored wooden floor. In the background, people are working at desks with large windows, and a person is seated in a modern office chair. The overall atmosphere is professional and collaborative.

V O L V O

Volvo Group Trucks Technology

# Alternative approaches to modeling Git submodules Or "One way of modeling nested GIT modules"

Related issue: Hierarchical source code structures #259

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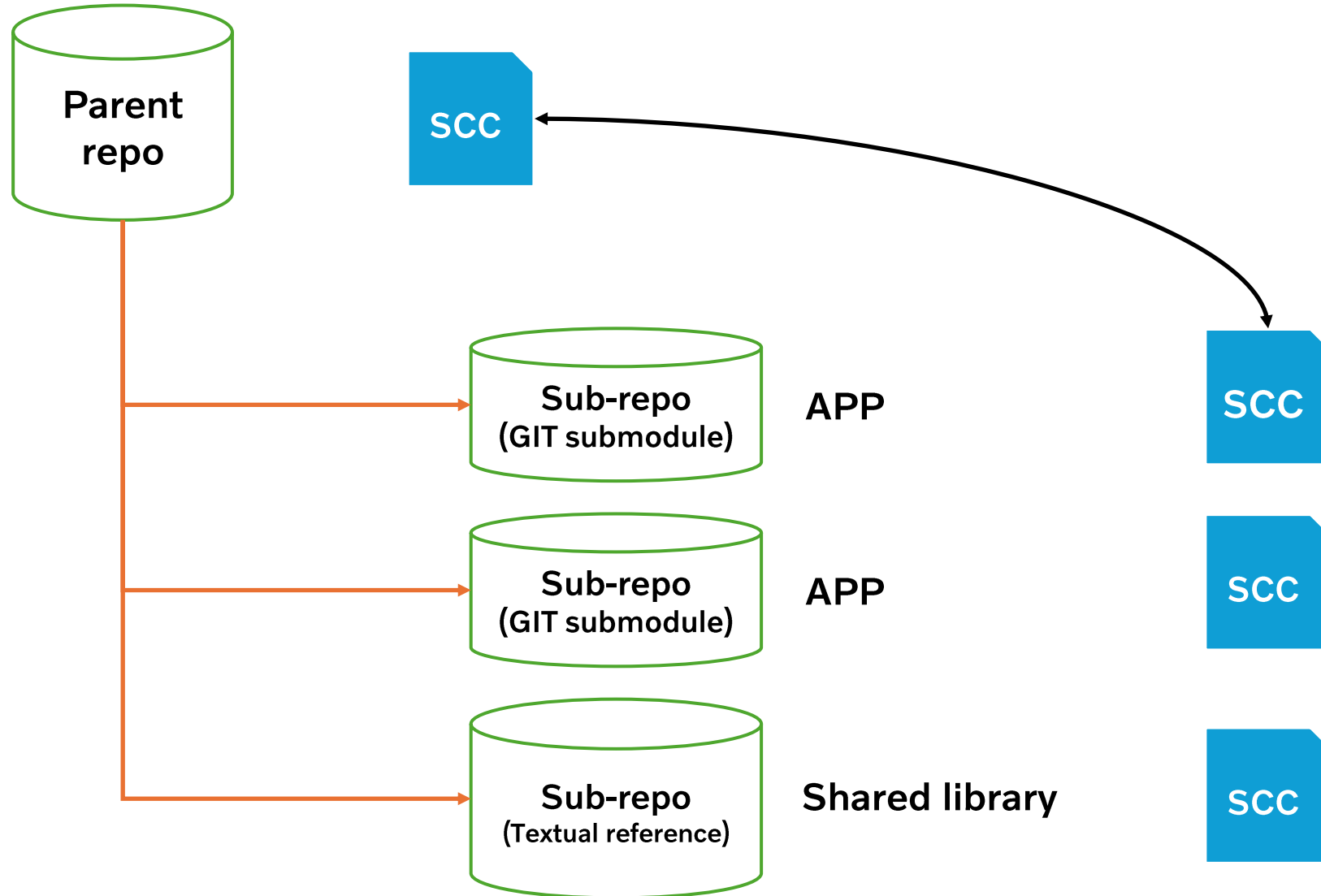


## Abbreviations used

- **SourceChangeCreated (SCC)**
- **CompositionDefined (CD)**

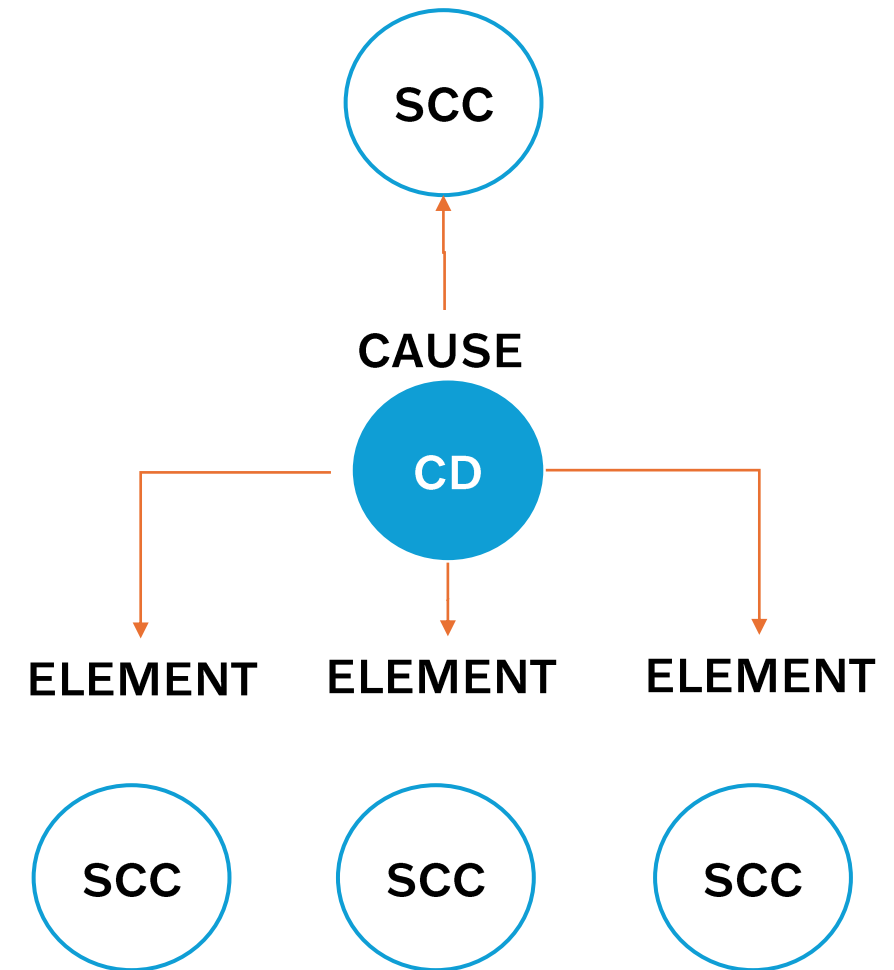
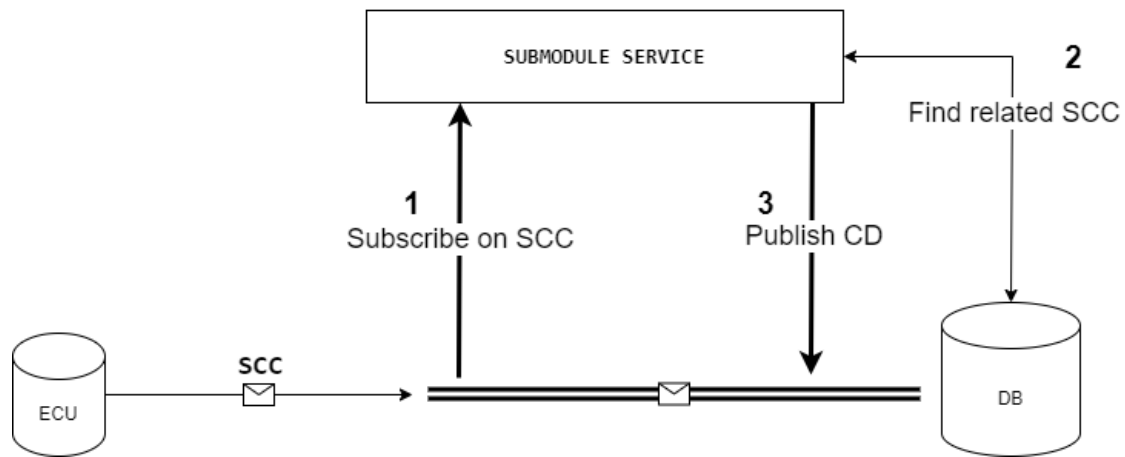
# The case / the setup

ECU (Electrical Control Unit)



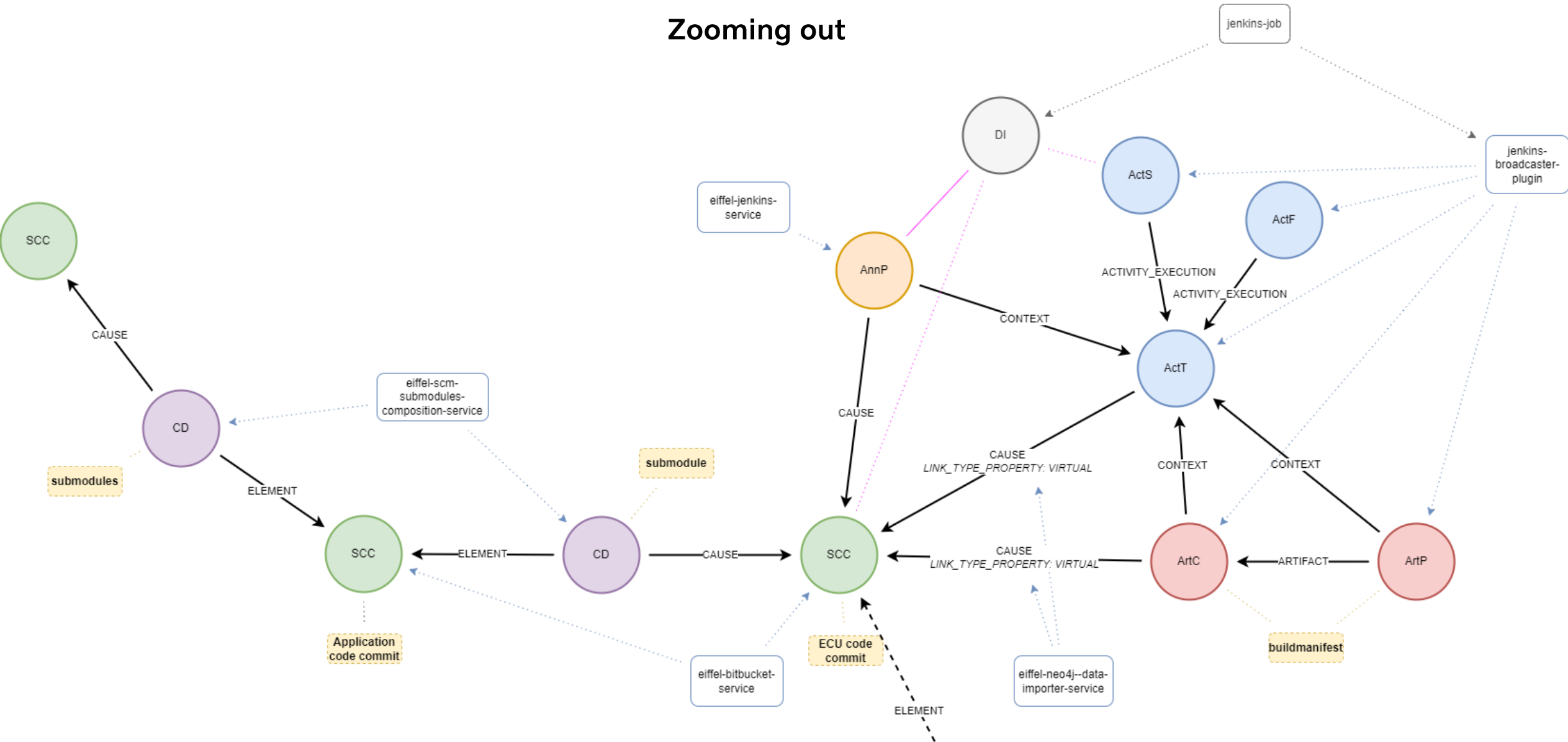
## Using the CD to relate

```
"links": [{  
  "type": "ELEMENT",  
  "target": [ID_FROM_SUBCOMPONENT_SCC_EVENT]  
}]  
// ... more elements
```



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Zooming out



## **Composition Defined (CD)**

- + Generic event who could support a wide variety of use-cases
- It could be overused? though there's no obvious downside now, other than the potential for our solution to become cluttered with CD events over time

## **SourceChangeCreated (SCC)**

**How could we utilize this with the SCC ?**

- Extend the SCC Links with a SUBJECT(S) type list, accepting SCC as targets ?
- Extend the SCC Links with an ELEMENT type accepting a CD as target ?

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**Thank you for listening!**