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SWEBOK KA-6: Software Configuration Management

Software Configuration Management (SCM) is formally defined in IEEE 610 as:

"A discipline applying technical and administrative direction and surveillance to: identify and document the functional and physical characteristics of a configuration item, control changes to those characteristics, record and report change processing and implementation status, and verify compliance with specified requirements."

In more broad terms, SCM is the process of identifying configurables and overseeing the changes to said configurables and the corresponding affects as they percolate through the software system.

The project I am involved in is going to be heavily configurable as well as require large amounts of configuration from the beginning. One of the major components of the project is itself a system that must be configured in order for it to further configure itself autonomously. At a higher level, the entire project is a system that more easily facilitates schedule level configuration of a student's time at IPFW.

*(Diagram Below)*

