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## C++ Software Quality in the ATLAS experiment: Tools and Experience

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In this paper we explain how the C++ code quality is managed in ATLAS using a range of tools from compiletime through to run time testing and reflect on the substantial progress made in the last two years largely through the use of static analysis tools such as Coverity®, an industry-standard tool which enables quality comparison with general open source C++ code. Other available code analysis tools are also discussed, as is the role of unit testing with an example of how the googlemock framework can be applied to our codebase.

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**Tertiary Keyword (Optional)** 

**Secondary Keyword (Optional)** 

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