

Hawkeye APOD Advantage

Avoid Dangerous Coding Practices

Hawkeye APOD automates the scanning of all custom ABAP code as per the distributed Best Practices Document provided by CodeExcellence. Hawkeye APOD is capable of scanning an additional 100+ patterns beyond the limited subset of best practices that Code Inspector (CI) scans. These additional checks are critical to delivering high quality code and include such practices as: Direct Table Updates, Case without When Others, Exception Handling Missing, Internal Table Incorrect Usage, system calls, and more. Be confident that dangerous coding practices, otherwise not detected by Code Inspector, are being caught by Hawkeye APOD.

Help The Programmer

The best practices that come with Hawkeye APOD are delivered in the form of rules which come with clear concise help for each one. These best practice rules provide unambiguous descriptions that prevent, or at least minimize, any opportunity for programmers to “read into” the usage and application of the rule. The goal is to make the rule as simple and useable as possible for programmers so that they can be productive and efficient. Supporting “how to” code examples are also provided with Hawkeye APOD. Again, the intent is to help programmers in every way possible so that they can deliver high quality code quickly. Programmers that use Hawkeye APOD provide testimony to the fact that Hawkeye APOD is more than just a scanning tool: It is a tool that helps them improve their programming skills and nurtures best practices in code quality self-management.

The help that comes with CI has numerous challenges: it can be difficult to interpret and sometimes very detailed and lengthy; it is occasionally in German; and, in some cases, it is completely missing. This inconsistency creates opportunities for programmers to make assumptions and interpretations, which may prove problematic further along in the development process.

Tailor to Your Development Environment

The Best Practices Guidelines used by Hawkeye APOD are completely configurable, providing IT organizations with the flexibility to tailor the development environment. CI provides no options to configure other than turning a rule on or off. For example, a violation deemed in your shop to be critical is reported by CI **only** as an “INFORMATION” message; Hawkeye APOD allows changes in report profiles to reflect more complex situations. Consider also that Hawkeye APOD makes use of Rules categorized by Severity and Business risk dimensions. This provides companies with the ability to measure and report on risk dimensions otherwise not available in CI.



Scan Only the Changed Code

Managing the quality of changed code requires the ability to scan only the changed code and Hawkeye APOD provides this option. This is an extremely important feature not available in CI.

Other Features to Consider

- Also Covers Workflow Objects, otherwise not covered by CI
- Automated Compliance Report that Provides a mechanism for official signoff to move transports thru the landscape
- Finer granularity on scanned components. i.e. Hawkeye APOD will scan and report on a Method whereas CI scans and reports the entire class.
- According to programmers, it is far easier to use than CI and therefore used more often
- Context specific Quick reference help links. Learn by example code snippets
- CI display has row limits on large scans and therefore Results returned may not be complete. There is no guarantee of which lines are missing. This then forces the programmer to break up the scan into smaller slices.
- Ability to scan all development for a given user, transport, or even for a given project. This helps determine readiness of code for a given development or project. i.e. Testing begins in 2 weeks. How ready is the code?

WHO IS IT FOR?

- Tech leads
- Procurement managers
- Developers

PROBLEMS SOLVED

- Automatic and objective 100% Code Compliance
- Encourages code quality self-management
- Engages programmers in the code quality assurance process
- Develops and enhances programmer's skill set
- Less refactoring; faster time to market

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and increase the efficiency of your development teams?

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