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Docker static code analysis

Unique rules to find Vulnerabilities, Security Hotspots, and Code Smells in your DOCKER code

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A space before the equal sign in key-value pair may lead to unintended behavior



Bug

Allowing downgrades to a clear-text protocol is security-sensitive



Security Hotspot

Allowing shell scripts execution during package installation is security-sensitive



Security Hotspot

Using host operating system namespaces is security-sensitive



Security Hotspot

Setting loose POSIX file permissions is security-sensitive



Security Hotspot

Reduce the amount of consecutive RUN instructions



Code Smell

Prefer COPY over ADD for copying local resources



Code Smell

WORKDIR instruction should only be used with absolute path



Code Smell

Too long RUN instruction should be split into multiple lines



Code Smell

Prefer Exec form for ENTRYPOINT and CMD instructions



Code Smell

"WORKDIR" instruction should be used instead of "cd" commands



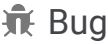
Code Smell

A space before the equal sign in key-value pair may lead to unintended behavior

Analyze your code

Intentionality - Logical

Reliability ⬆



Bug



Major



In places where key-value pairs are used, a space before the equal sign may lead to unintended behavior.

Why is this an issue?

How can I fix it?

More Info

A few Docker instructions (like ARG, ENV, LABEL) may contain key-value pairs in form of <key>=<value>. The equal sign should not be followed by a space. The space before the equal sign may lead to unintended behavior. This is critical, especially for multiple key-value pairs, e.g. key1 = value1 key2 = value2, will lead to the key key1 with the value = value1 key2 = value2. In most cases it is unintended.

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