

# Fine-grained entitlements with ABAC

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KABAC

## Introduction

Core of the KABAC functionality is processing access control rules, based on KABAC grammar. Policies can be written in human-readable form and saved as a file in JSON format.

Policy structure inspired by XACML but it differed in very significant ways- it is much more compact, easily readable, but, most important, it can be compiled in run time into executable code. It takes less than 10 microseconds to execute a single rule in the single thread on the i5-6300U CPU @ 2.40GHz

Another big improvements of the KABAC model is - is power of obligations, by introducing special grammar for flexible obligation executions. Through obligations system can modify database metadata, hide, mask or obfuscate data.

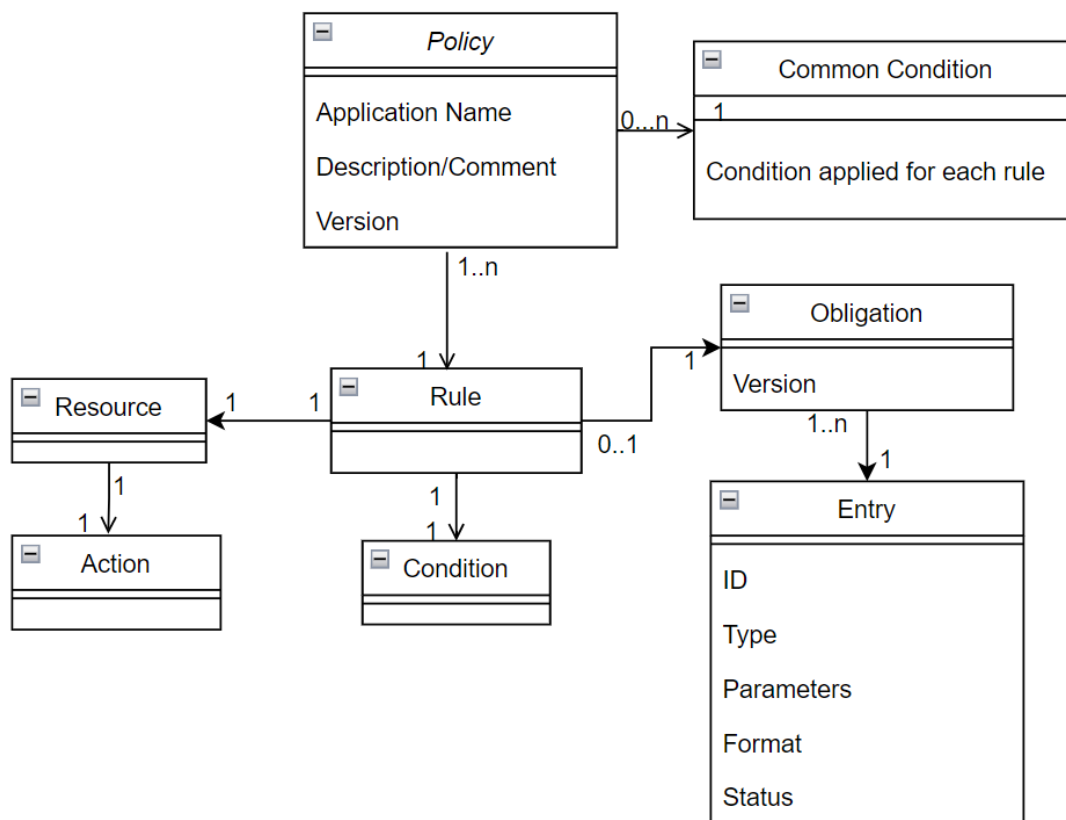


Figure 1. KABAC Policy Structure