We describe a new pattern using a modified POSA template [Bus96] and our intended audience are software architects and designers, and web application developers. These patterns are part of a catalog of Browser Security Patterns that complement a Browser Reference Architecture (RA), in order to build a Security Reference Architecture (SRA).

From [Bon13] a Whitelist Firewall Security Pattern was made to deal with business partners, remote employees, providers, or similar, all of which are known in advance. This achieves an improvement in security by communicating only with them. The following pattern uses a realization of this pattern, but instead of using a firewall the CAMP Client is in charge of the filtering using a implementation of the Whitelist security pattern. It uses a black and white lists. The Blacklist inspects at the URL level, the Whitelist does it too, but can also obtain other features to compare, like the domain, IP address or the signature of the downloaded resource (if it downloads before the page/binary/etc).

Title:

Intent

Example

Context

Problem