

# Template injection

Tracks user-controlled values to an unescaped lodash template placeholder.

```
import javascript
import DataFlow
import DataFlow::PathGraph

/**
 * Gets the name of an unescaped placeholder in a lodash template.
 *
 * For example, the string `

# <%= title %></h1>` contains the placeholder `title`. */ bindingset[s] string getAPlaceholderInString(string s) { result = s.regexpcapture(".*<%=\\s*([a-zA-Z0-9_]+)\\s*%>.*", 1) } class TemplateInjection extends TaintTracking::Configuration { TemplateInjection() { this = "TemplateInjection" } override predicate isSource(Node node) { node instanceof RemoteFlowSource } override predicate isSink(Node node) { exists(CallNode call, string placeholder | call = LodashUnderscore::member("template").getACall() and placeholder = getAPlaceholderInString(call.getArgument(0).getStringValue()) and node = call.getOptionArgument(1, placeholder) ) } } from TemplateInjection cfg, PathNode source, PathNode sink where cfg.hasFlowPath(source, sink) select sink.getNode(), source, sink, "User-controlled value from $@ occurs unescaped in a lodash template.", source.getNode(), "here."


```