

## **Mitigating Insecure Deserialization Attacks**

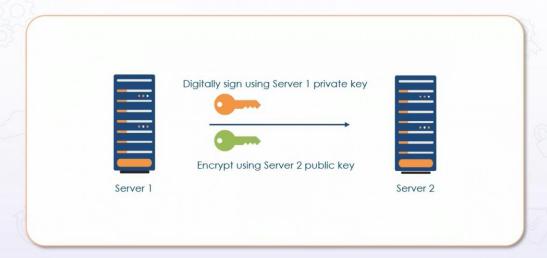


## **Common Vulnerabilities and Exposures (CVE)**





## **Enable Network Digital Signatures**



#Sample Snort IDS rule to notify of Apache Struts exploit attempt

alert tcp \$EXTERNAL\_NET any -> \$HOME\_NET \$HTTP\_PORTS (
msg:"SERVER-APACHE Apache Struts java.lang.ProcessBuilder class
access attempt"; flow:to\_server,established; http\_uri;
content:"\${"; content:"java.lang.ProcessBuilder",nocase;
service:http; reference:cve,2018-11776; classtype:attempted-user;
sid:47690; rev:2; )