

Objectives

- Tools
- Thank you cards

Apr 1, 2022

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My Morning (No Foolin')

- Husband: don't forget to upgrade your spring
- Me: ☹️

What is CVE-2022-22965 aka Spring4shell?

A **new vulnerability was found in Spring Core on JDK9+** allowing a remote code execution as previously happened for log4j and Spring cloud. This vulnerability is referenced as **Spring4shell**.

The Spring Framework is a famous open-source framework used to easily build Java applications. One of the main components is Spring Core which is one of the fundamental parts of the framework. The vulnerability takes advantage of an issue in this part to execute arbitrary code on the host or container.

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In Other News...

Docker founder launches Dagger, a new DevOps platform

Frederic Lardinois @fredericl / 12:00 PM EDT • March 30, 2022

Comment

“We began this long discovery process to just be a blank slate and listen to people’s problems. And they pulled us very quickly in the direction of CI/CD and automation pipelines. You know, you’ve got dev — and developers are happy and productive. You’ve got ops — things scale, there’s all this cool cloud stuff — and the glue in the middle, the DevOps part, that’s just really complicated.



Image Credits: Dagger
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Project Timeline

Objective	Deadline	% of Final Project
Tool preferences (individual)	March 21, 11:59 p.m.	1%
Preliminary Exploration	March 29, 11:59 p.m.	5%
Presentation	Last week of classes	49%
Web page(s)	Tues of finals week	16%
Analyses (individual) <ul style="list-style-type: none"> • Tool • Team • Individual reflection 	End of Finals Period	29%

<http://cs.wlu.edu/~sprenkle/cs397/project.php>

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Deliverable: Presentation

- Move past the buzzwords: what is it really?
- Motivation, Problem tool solves
- How does it work?
- What you need to do to get started?
 - Dependencies
- What are the opportunities?
 - What does the tool work with?
 - (some of the tools can work together)
 - How can you extend it?
- Demo
- What are the competitors/alternatives?
 - How do they compare?
- Strengths and limitations of tool
- Challenges you faced
- Logistics:
 - Last week of classes
 - Approximately equal amount of speaking by each team member

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Evaluating Presentations

- You'll evaluate the presentations
 - Content, organization, delivery, visual aids, audience interaction, answering questions, overall quality
- These are mostly for my use to help me understand what you understood
 - Will use to give feedback
 - Not directly tied to a grade

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Schedule for Next Week

- Large teams: whole class period
- Small teams: 20 minutes + 5 minutes for questions → need to be on the same day
- Monday: JavaScript/Software
- Wednesday: ElasticStack, Kubernetes
- Friday: Cloud DBs

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Work in Teams!

- I will check in with each team

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