**DevSecOps (Contd)**

* Here is the list of some opensource free tools for SAST, SCA and DAST <https://owasp.org/www-community/Free_for_Open_Source_Application_Security_Tools>

**OWASP Dependency Check**

* <https://owasp.org/www-project-dependency-check/> for the official web site
* <https://jeremylong.github.io/DependencyCheck/> for the documentation of dependency check
* Installation:
  + Ensure JAVA is installed

sudo apt update

sudo apt install openjdk-11-jdk -y

* Download the dependency check <https://objects.githubusercontent.com/github-production-release-asset-2e65be/5663857/3535be4b-a468-41e0-9979-1215580abe52?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20220827%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20220827T131135Z&X-Amz-Expires=300&X-Amz-Signature=0714be8bdc48d95b955b506985ea7a39ec975e849448832c379ceae656282ecc&X-Amz-SignedHeaders=host&actor_id=2438317&key_id=0&repo_id=5663857&response-content-disposition=attachment%3B%20filename%3Ddependency-check-7.1.2-release.zip&response-content-type=application%2Foctet-stream>
* To upload this into linux use sftp
  + Get into the directory where you have zip downloaded
  + Figure out ssh command to connect to ubuntu instance, replace ssh with sftp `sftp -i ~/Downloads/ansiblelearning.pem ubuntu@100.100.100.100
  + upload using put <filename>
* Now install unzip sudo apt install unzip -y

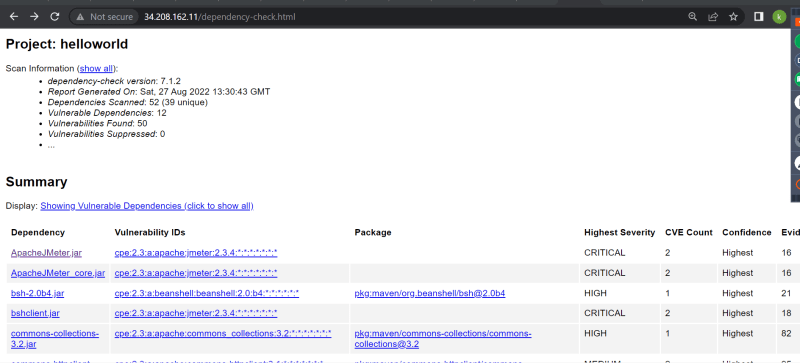
unzip ~/dependency-check-7.1.2-release.zip

cd ~

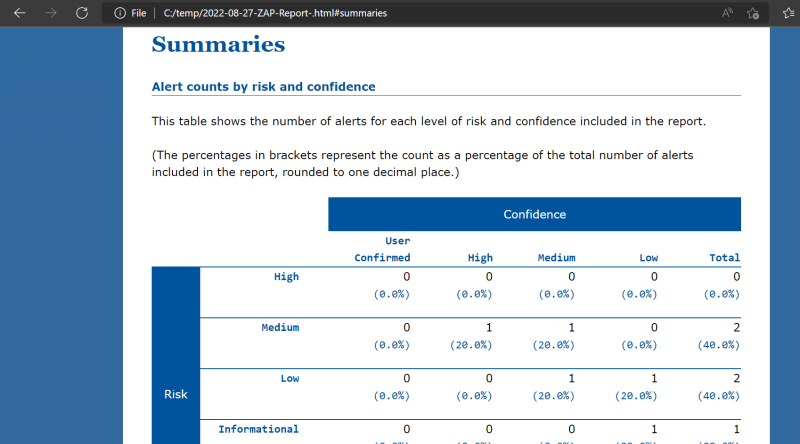
git clone https://github.com/wakaleo/game-of-life.git

cd game-of-life/

~/dependecy-check/dependency-check/bin/dependency-check.sh --project "helloworld" --scan ~/game-of-life/



**OWASP ZAP (DAST)**

* Install OWASP ZAP either from chocolatey or manual install and then scan any url
* Generated report in your CI/CD Tool  
  
* When we work with CI/CD we generate this report by running ZAP from Command line <https://www.zaproxy.org/docs/desktop/cmdline/>

**Activities**

1. Create a Synk account <https://snyk.io/plans/>
2. Ensure you have a Github account and docker hub account.