



Onapsis Automated SAP Code and Transport Review

How To Optimize Your DevSecOps Approach

STEFAN ECKSTEIN, APRIL 19, 2021



Active Cyberattacks on Mission-Critical SAP Applications

Onapsis & SAP Partner To Release New
Threat Intelligence On Active Threats

[DOWNLOAD THREAT REPORT](#)

[FREE RAPID ASSESSMENT](#)

AGENDA

- Manual vs Automated Code and Transport Review
- Why Automated Code and Transport Review
- Process of Automated Code and Transport Review
- Demo



Manual Code and Transport Review

Development Phase

- Manual Code Review
- Peer-to-Peer Review

- Manual 3rd party Transport Review
- Manual review of regular internal transports

Testing Phase

- Manual final review of changes before moving into Prod
- Review exemptions
- Impact of changes once they move into Production is unknown
“Release -> Import -> Hope”

Production Phase

- Provide reports for auditing purposes manual very time consuming
- Validation of compliance regulations very difficult or not possible

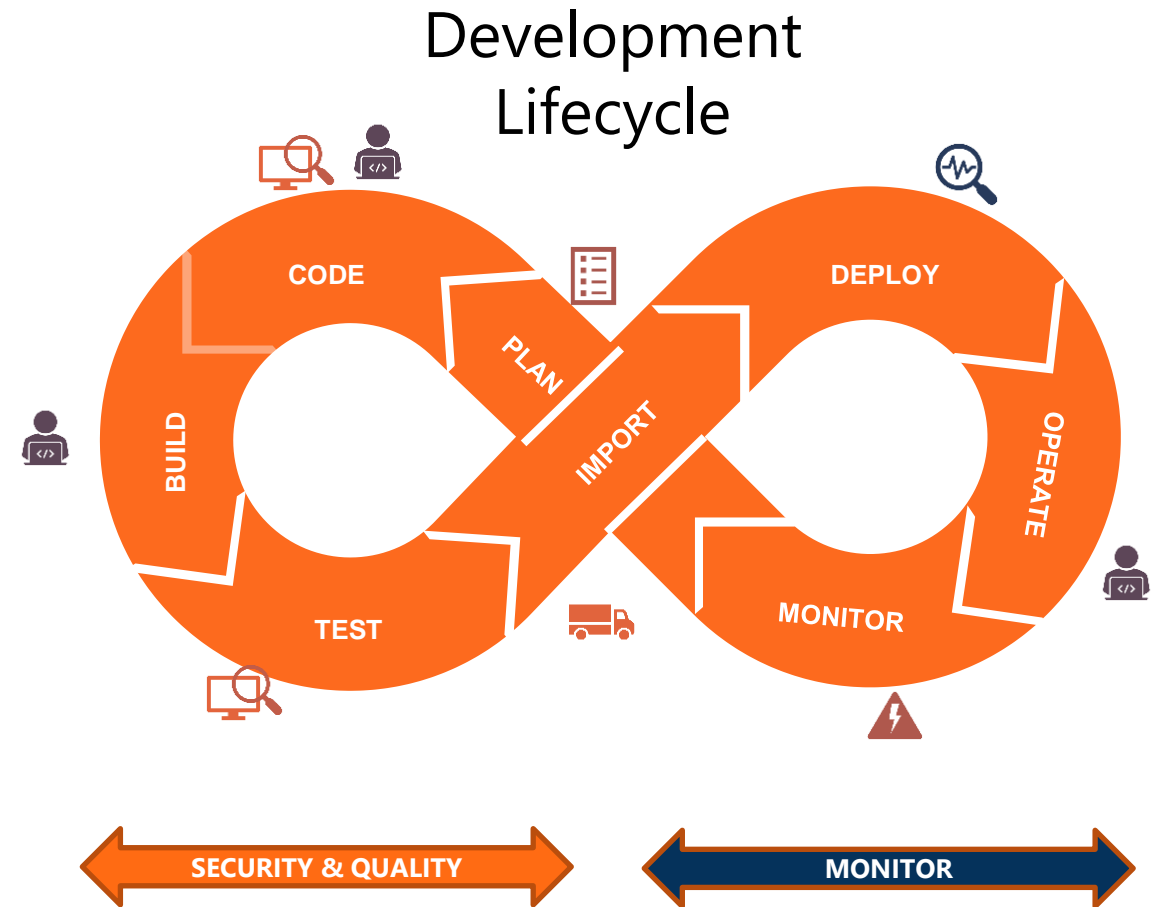
*Very time consuming
(200-400 lines of code per hour)*

*Not complete
(how can we find everything)*

*Constant time pressure
(updates and innovation need to go into testing)*

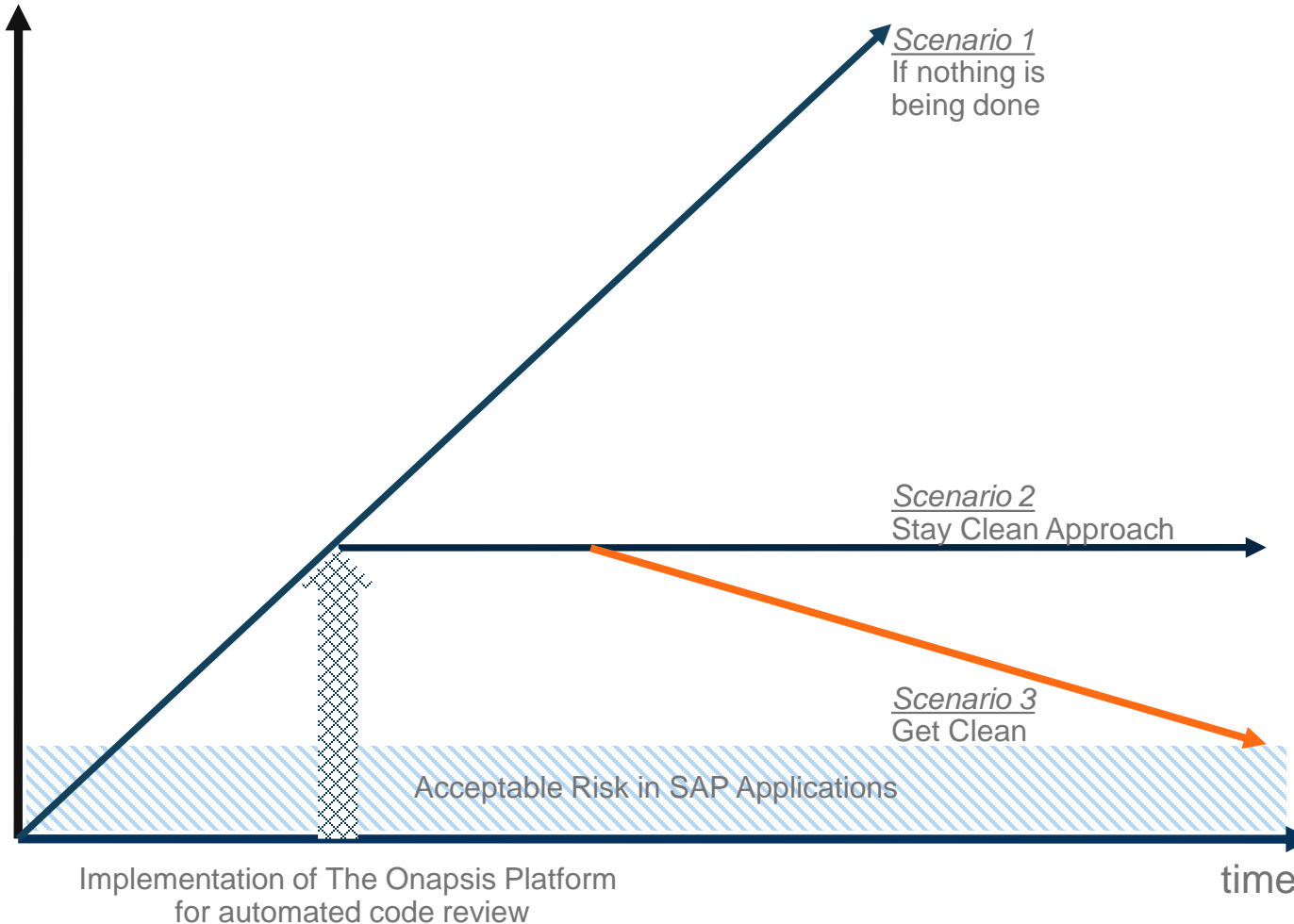
*Uncertainty about impact to Production
(what are we overwriting, downgrading, database conversion)*

Security impact can be very significant, but is unknown as no complete visibility



Value of Automated Code and Transport Review

of system and code vulnerabilities



Scenario 1:

- Code Quality and Security issues increases
- Unmonitored risk becomes unmanageable
- Number of vulnerabilities goes up over time

Scenario 2 : (Stay Clean)

- Integrate within the Software Development Lifecycle
- No new vulnerabilities will be introduced
- Implement compensating controls
- Vulnerabilities from legacy code still there

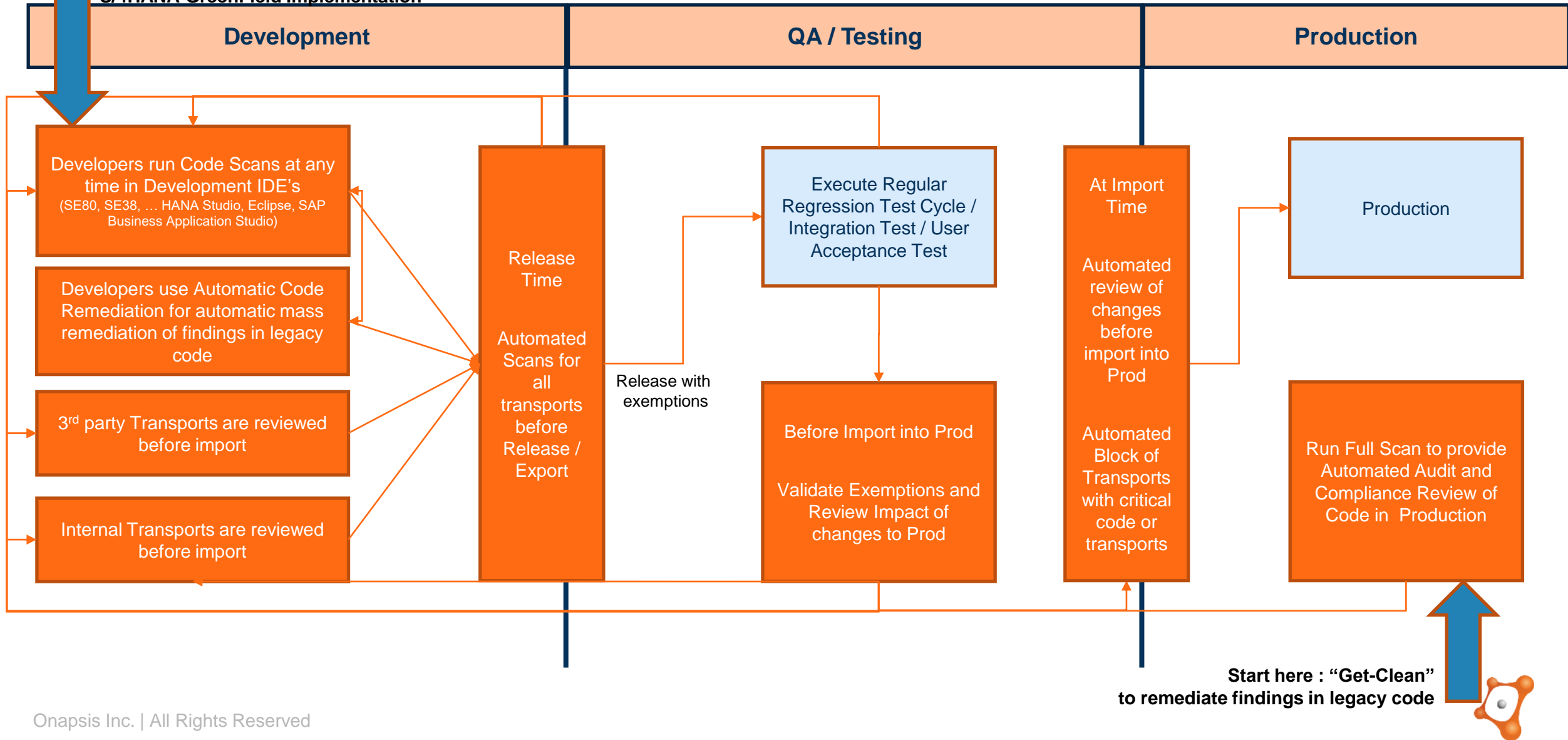
Scenario 3 : (Stay Clean & Get Clean)

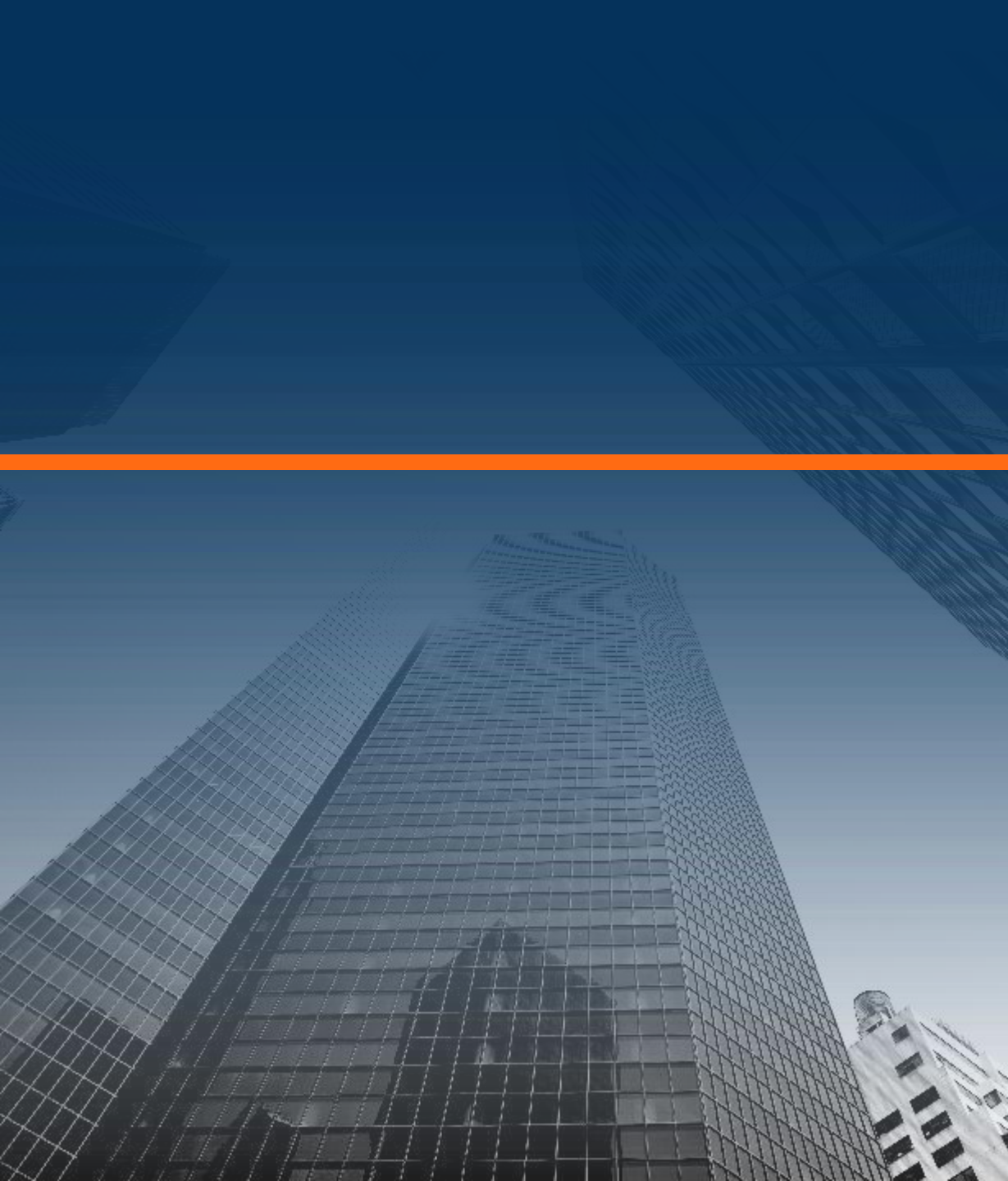
- Additional vulnerabilities from legacy code are remediated over time
- Level of “acceptable risk” will define how far to go from a remediate effort



Automate Code and Transport Review

Start here : "Stay-Clean"
S/4HANA GreenField Implementation





THANK YOU

QUESTIONS ?

STEFAN ECKSTEIN

STEFAN.ECKSTEIN@ONAPSIS.COM

