

Formal Trust & Security Verification

Joerg Bormann, Siemens EDA

Verify Security Features with Questa Verify Secure

- Identify unintended or illegal propagation paths of data
- User friendly notations to specify propagation paths

Scale4Edge

R
TU
P
Rheinland-Pfälzische
Technische Universität
Kaiserslautern
Landau

Förderkennzeichen: 16ME0124

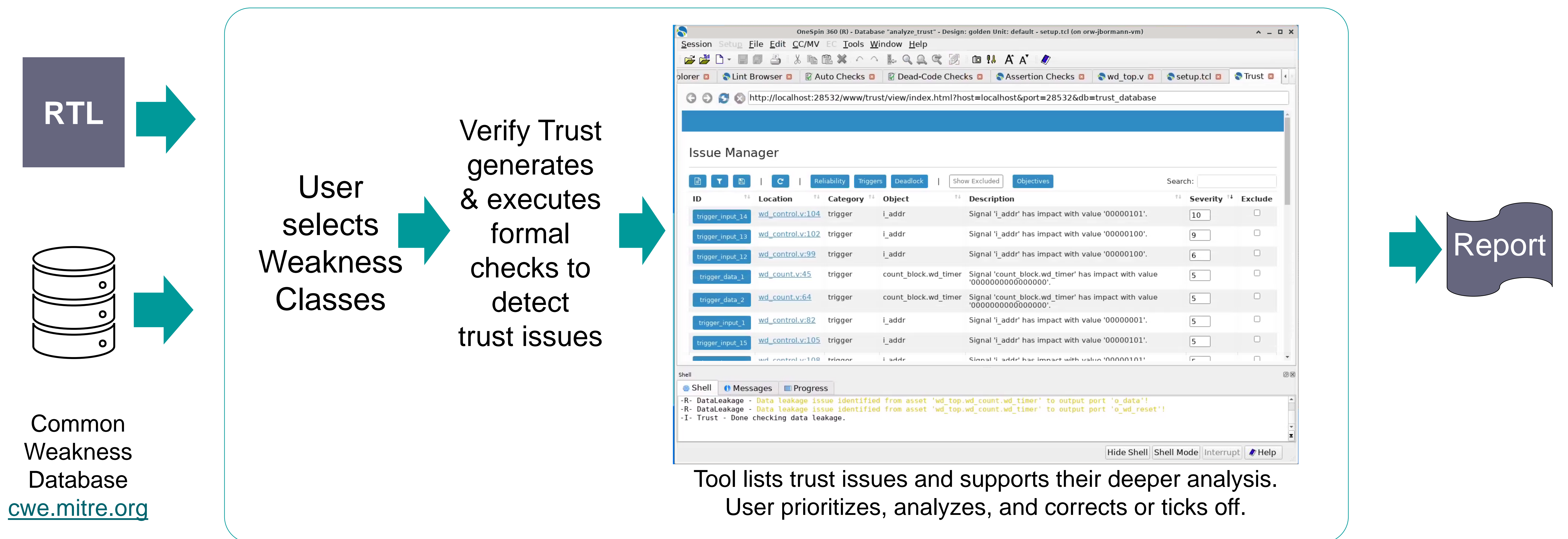


Eliminate Weaknesses with Questa Verify Trust

- highly automated (“autochecker for trust”)
- for acceptance test of RTL of 3rd party IP and
- improved trust quality of inhouse RTL development

VE-VIDES

Förderkennzeichen: 16ME0248



Example Weakness Classes	CWE
Detects Trojans	1242, 506, 507, 511
Identifies Unused Logic	561, 563, 1245
Detects Deadlocks	835, 1245
Checks Lock Bits	1224, 1231, 1233
Proves independence from reset states	1271
Extensible Platform	