

### A big Challenge

ABAP is one of the most powerful and widely used high-level languages for business applications. All SAP customers run custom developed ABAP programs in their IT infrastructure. Some are entirely custom made. Others, like ESS/MSS scenarios, are customized and exposed as Web applications.

Usually, many developer teams, different departments, and external consultants are involved in the development of custom ABAP code. The key question is: How can you measure the security quality of your custom code in complex, constantly changing IT landscapes?

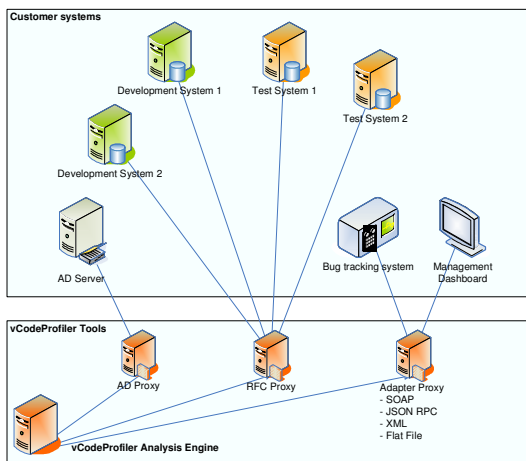
### A unique Solution

**CODEPROFILER** is the 1<sup>st</sup> product worldwide that provides automated testing for ABAP, BSP and Web Dynpro ABAP applications. Its database contains patterns of the relevant insecure coding practices for ABAP.

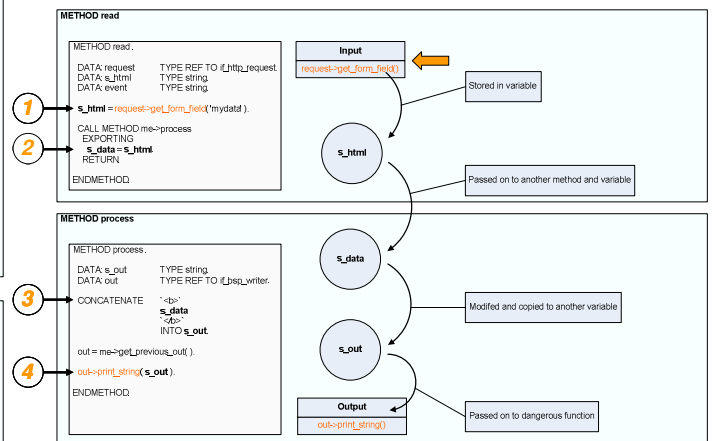
That database, combined with a unique analysis engine enable **CODEPROFILER** to find known insecure coding practices in ABAP programs with a very high reliability.

### About the Inventors

**CODEPROFILER** was developed by Virtual Forge, the leading security experts for SAP code reviews. Virtual Forge is the first and only company that specializes in security reviews of custom SAP applications. **CODEPROFILER** captures the know-how, methodology and best practices of more than 6 years of in-depth SAP security analysis and research.



Central landscape integration



Unique approach: Data flow analysis for ABAP

### Key advantages of **CODEPROFILER**

- Establishes a baseline security level for all ABAP-based business applications.
- Identifies compliance violations introduced by insecure coding practices.
- Provides data flow trees for compliance tests, e.g. which code accesses a credit card number.
- Assesses the security quality of code developed by 3rd parties (consulting projects).
- Exposes back doors potentially built into your business solutions.
- Offers detailed background information for all identified security issues.
- Allows prioritizing countermeasures by categorizing all findings.
- Accelerates the fixing process by proposing code corrections.
- Identifies applications that should be subject to further testing by human experts.

