



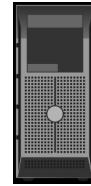
Introduction to the Capability Adviser

Capability Adviser features include:

- ✓ Configurable Web Platform for Process Assessments
- ✓ Intranet and Internet Solution
- ✓ Operating System Independent
- ✓ Multiuser System
- ✓ Every assessor has an account containing all performed assessments by him/her
- ✓ Assessments can be performed by one or more Assessors
- ✓ Assessors can consolidate online
- ✓ Benchmarking

The Solutions

- ✓ Server solution for companywide access through intranet



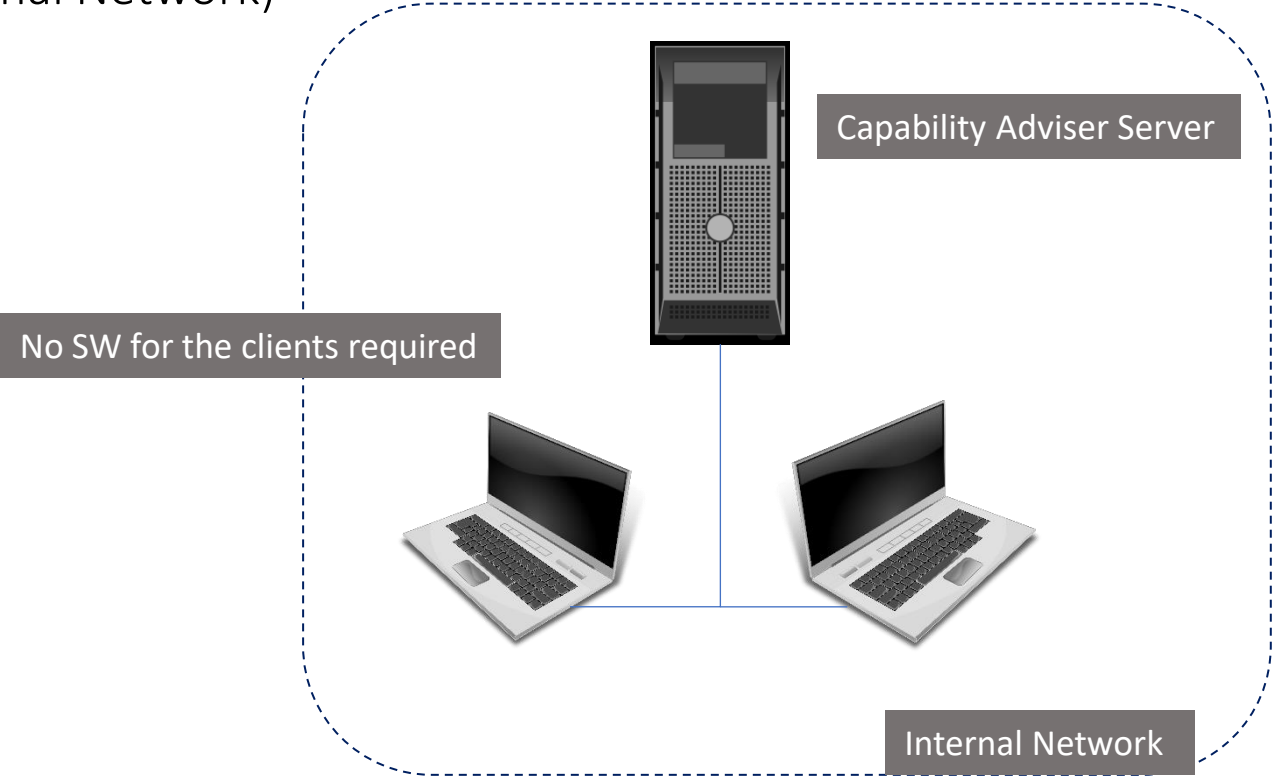
- ✓ Offline version for portable devices



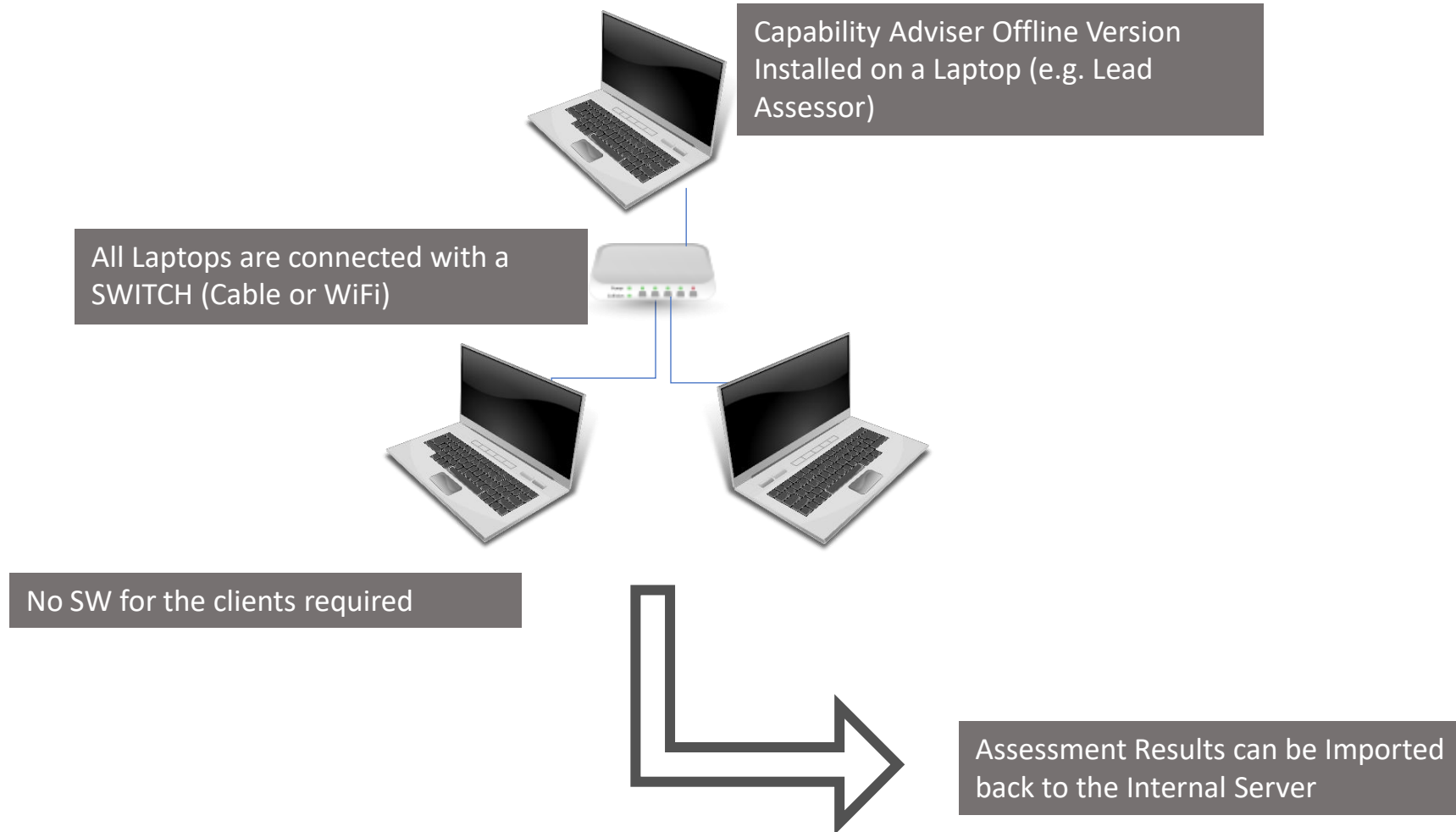
- ✓ Raspberry Pi solution for external assessment collaboration



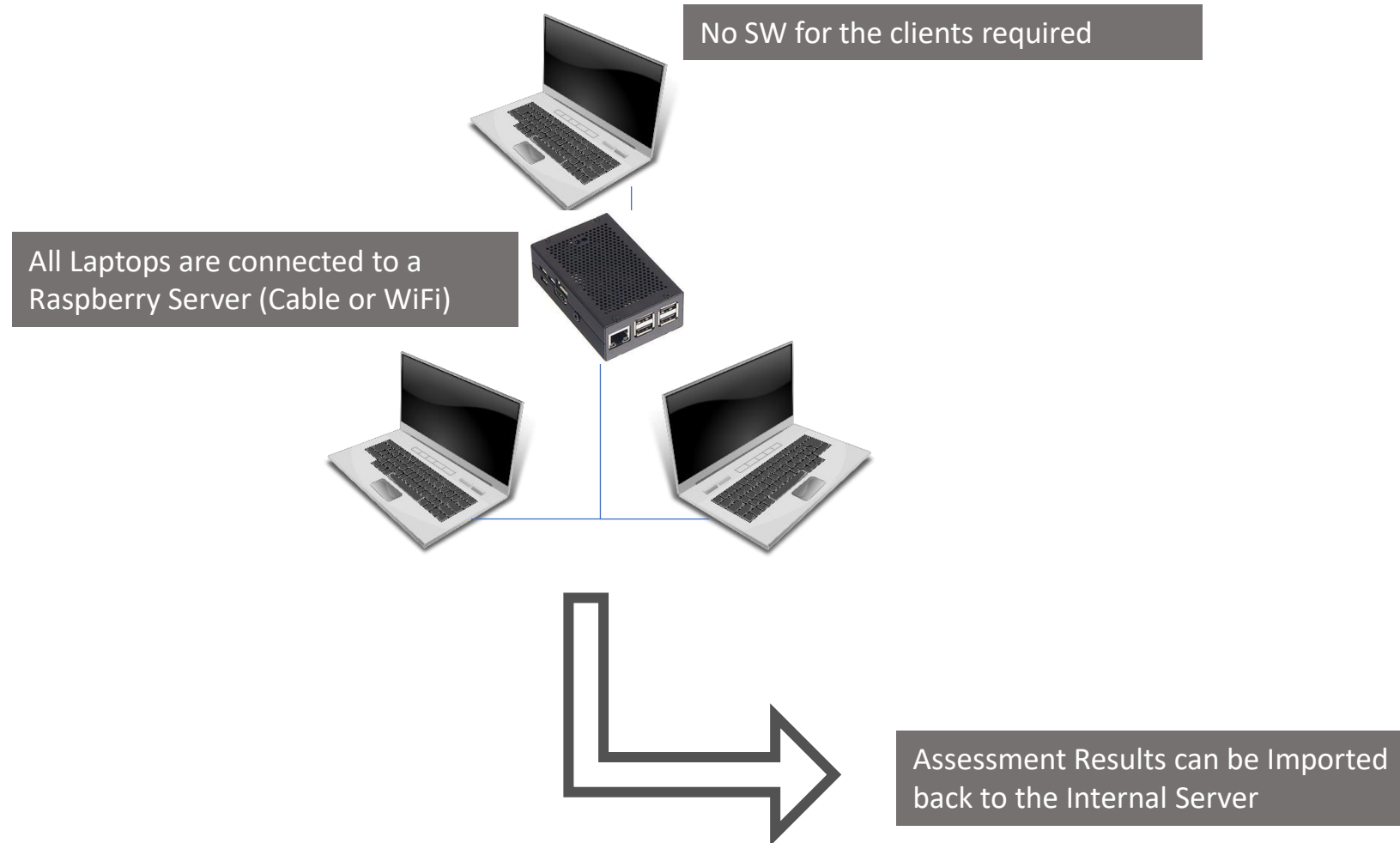
Architecture (Internal Network)



Architecture (External Network)



Architecture (External Network)



Roles

The Capability Adviser has for each role a separate account:

Assessor

- ✓ Can perform (team) assessments and generate reports
- ✓ Has only access to assessments where he/she is an assessor

Organisation

- ✓ Creates and edits assessments
- ✓ Creates and assigns assessors
- ✓ Tailors domains

Content Provider

- ✓ Adds and imports new process assessment models
- ✓ Edits existing process assessment models

Administrator

- ✓ Create new organization (business unit) accounts
- ✓ Generates benchmarking data

Assessment Collaboration

Please click one of the following units from the list below to display the assessment details:

Show only incomplete ratings

- » SUP.9 Problem Resolution Management
- » SWE.2 Software Architectural Design

SWE.2.BP1 Develop software architectural design.

Not App. Demo Assessor No comments

SWE.2.BP2 Allocate software requirements.

P Demo Assessor No comments

SWE.2.BP3 Define interfaces of software elements.

L Demo Assessor No comments

SWE.2.BP4 Describe dynamic behavior.

F Demo Assessor No comments

SWE.2.BP5 Define resource consumption objectives.

F Demo Assessor No comments

SWE.2.BP6 Evaluate alternative software architectures.

P Demo Assessor No comments

- ✓ All Assessors work on the same Assessment
- ✓ Assessors see each other Comments and Ratings
- ✓ Faster consolidation of Results
- ✓ Faster preparation of Assessment Reports (all comments/ratings in one place)

Ratings on Practice Level

VDA-Scope 31 wo ACQ4 **Automotive SPICE 31 Demo Assessment**

Project Management **The purpose of the Project Management Process is to identify, establish, and control the activities and resources necessary for a project to produce a product, in the context of the project's requirements and constraints.**

MAN.3 1: Summary Notes Save All Evidences Recommendations Rules

MAN.3.BP1 **Define the scope of work.** Identify the project's goals, motivation and boundaries. [OUTCOME 1]

N P L F Not App. Note

Strengths:

Weaknesses:

Comments/Suggestions:

Save Clear Other Notes

- ✓ BP/GP are rated
- ✓ Average Algorithm is used for the Attribute calculation
- ✓ Attribute rating can be overruled

Exports to Excel, Word, Powerpoint

- ✓ Generation of Microsoft Word Assessment Reports
- ✓ Usage of company templates
- ✓ Export of Ratings and Comments to Microsoft Excel
- ✓ Generation of a Summary Presentation in Microsoft Powerpoint
- ✓ Export of Attribute and Profile Ratings to Adobe PDF and Microsoft Excel

	A	B	C	D	E	F	G	H	I
1	Project	Assessme	Unit	Element	Performa	PC Descrip	Assessor	Score	Comment
2	Demo Pro Safety Tes	Supplier	MACQ.4.1	ACQ.4.BP: Agree on	Richard Messnarz		L		<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur condimentum sapien vitae ullamcorper venenatis. Aliquam et dictum tellus, vel efficitur metus. Nullam eget sem id neque tempor euismod vel in enim. Donec non varius metus, eu tempor est. In cursus condimentum porttitor.</p>
3	Demo Pro Safety Tes	Supplier	MACQ.4.1	ACQ.4.BP: Exchange	Richard Messnarz		F		<p>Nam congue lacus ligula, ac venenatis elit interdum pretium. Cras iaculis neque risus, quis hendrerit arcu aliquet vitae. Nunc scelerisque, eros viverra gravida facilisis, odio arcu aliquam ante, sit amet euismod arcu nulla vel tellus. Nam a turpis sit amet mauris varius blandit in in mi. Vestibulum finibus nisi nisl, ac cursus ipsum molestie ac. Sed vel urna vitae sem vestibulum sagittis. Nulla sagittis libero et turpis blandit porttitor.</p>
4	Demo Pro Safety Tes	Supplier	MACQ.4.1	ACQ.4.BP: Review te	Richard Messnarz		F		
5	Demo Pro Safety Tes	Supplier	MACQ.4.1	ACQ.4.BP: Review pr	Richard Messnarz		P		
6	Demo Pro Safety Tes	Supplier	MACQ.4.1	ACQ.4.BP: Act to corr	Richard Messnarz			Not Appl	

Rating guidelines for Automotive SPICE 3.1

- ✓ Show or hide recommendations and rules on demand
- ✓ Check for Rating Consistency
- ✓ Filter for recommendations and/or rules in the consistency check
- ✓ Shows which recommendations and rules have been violated

Rated Rating	Rating	Related Rating	Rating	Rating Consistency:
MAN.3 2.2.4	P	MAN.3 2.2.1	N	[CL2.RL.41] If the indicator for defining requirements for the work products (GP 2.2.1) is downrated due to non-appropriate review and approval criteria, the indicator GP 2.2.4 shall be downrated.
MAN.3 2.2.3	P	MAN.3 2.2.2	N	[CL2.RL.40] If the indicator for defining requirements for documentation and control of the work products (GP 2.2.2) is downrated, the indicator GP 2.2.3 must not be rated higher.

Recommendations

MAN.3.BP1 Define the scope of work. Identify the project's goals, motivation and boundaries. [OUTCOME 1]

[MAN.3.RL.1]: If the scope of work (BP1) is a product description only, the indicator BP1 must not be rated higher than L. *Specific scenario: If the organization has full responsibility for the system but a part of the application SW is developed by the customer, and it is provided by means of a SW library. As a result, the developing organization cannot be entirely responsible for the software requirements and the corresponding SW testing of this SW. This has to be explicitly documented as part of the scope of the project.*

[MAN.3.RL.2]: If the scope of work (BP1) is not appropriately documented at project start, the indicator BP1 must not be rated higher than L.

N P L F Not App.

MAN.3.BP2 Define project life cycle. Define the life cycle for the project, which is appropriate to the scope, context, magnitude and complexity of the project. [OUTCOME 2]

N P L F Not App.

MAN.3.BP3 Evaluate feasibility of the project. Evaluate the feasibility of achieving the goals of the project in terms of technical feasibility within constraints with respect to time, project estimates, and available resources. [OUTCOME 2]

N P L F Not App.

MAN.3.BP4 Define, monitor and adjust project activities. Define, monitor and adjust project activities and their dependencies according to defined project life cycle and estimations. Adjust activities and their dependencies as required. [OUTCOME 3, 5, 7]

[MAN.3.RL.15]: If for the current and next release not all the expected activities are planned and tracked (without a good reason), the indicators BP4, BP7 and BP8 shall not be rated higher than L. If less than 50% of the expected activities are planned, BP4, BP7, BP8 must not be rated higher than P.

N P L F Not App.

MAN.3.BP5 Define, monitor and adjust project estimates and resources. Define, monitor, and adjust project estimates of effort and resources based on project's goals, project risks, motivation and boundaries. [OUTCOME 2, 3, 7]

[MAN.3.RL.3]: If the commitment is not fulfilled by delaying the timeline of the project or by cancelling functionality etc., the indicator BP5 and BP8 must not be rated higher than L.

Functional Safety and Automotive SPICE

- ✓ Unique Integrated Automotive & Safety SPICE Assessment Approach
- ✓ Extended Base and Generic Practices
- ✓ Switch between Automotive SPICE and Safety Scope
- ✓ Different Ratings depending on the Scope for the same Practice

SYS.2 1:

Summary
 Notes
 Save All
 Evidences
 Recommendations
 Rules
 Safety

SYS.2.BP1

Specify system requirements. Use the stakeholder requirements and changes to the stakeholder requirements to identify system. Specify functional and non-functional system requirements in a system requirements specification. [OUTCOME 1, 5,

Functional Safety:

- Are technical safety requirements in line with the functional safety requirements (Requirements, interfaces, constraints)
- Are all technical safety requirements marked as safety requirements and referred to their source (ISO 26262, ECE, FM)
- Are semiformal notations used for ASIL C and D?
- Does the technical safety concept specify the necessary safety mechanism and control/monitoring systems to achieve warning/degradation concept, including correct prioritization and conflicting safety strategy?
- Are all relevant measures specified to detect all possible failures/failure combinations including all operation modes and
- Only applicable for ASIL C/D requirements. Are the safety mechanisms specified to prevent faults from being latent?
- Only applicable for ASIL C/D requirements. Is the multiple-fault detection interval specified to avoid multiple-point fail latent faults?
- Are the requirements for internal (production line) or external (supplier / customer) specified?

N

P

L

F

Not App.

Note