SCA v4.1 SAD and DCD Uniformity

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Proposal

This document contains a proposal to change the Draft SCAv4.1 specification to make the SAD and the DCD DTDs uniform regarding the child/parent hierarchy for the componentfactoryref element.

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Recommendation

SCA v4.1 SAD and DCD uniformity

Issue #178

Topics

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Description of the Issue

The SAD's componentinstantiation has a findcomponent sub-element, which only have a componentfactoryref sub-element. There is no reason for this extra element between the componentinstantiation element and the componentfactoryref element. The DCD's componentinstantiation doesn't use this extra element.

SAD and DCD componentinstantiation element should be similar to regarding their child componentfactoryref element in order to remove unnecessary complexity and confusion.

Summary of the Proposal

The findcomponent sub-element of the SAD's componentinstantiation element should be replaced by a componentfactoryref sub-element and the findcomponent element should be removed from the SAD's dtd.

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Detailed Proposal

In SAD DTD

Replace the findcomponent sub-element of the SAD's componentinstantiation element by a componentfactoryref element and remove the findcomponent element from the SAD's dtd.

In section D-1.10.1.3.1.2:

Change Figure 22 to replace findcomponent DTDElement by componentfactoryref DTDElement.

Note: The same change must be performed in section D-1.16.5.

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Detailed Proposal (cont)

In section D-1.10.1.3.1.2.1 componentproperties, perform the following change

1. The SAD partitioning : componentplacement : componentinstantiation : ~~findcomponent :~~ componentfactoryref : componentfactoryproperties element

Remove section D-1.10.1.3.1.2.3 findcomponent.

Note: The same change / Update SAD's DTD located in: Appendix D attachment 1 section D-1.16.5

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