

Corporate Binding Rule Scheme (CBRS)

Cloud based inter/intra-organizational secure transfers of data across boundaries

Prepared for

VBIC

Version .1 Draft

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Revision and Signoff Sheet

Change Record

Date	Author	Version	Change reference
09/28/13	Olaf Cames	.1	Initial draft for review/discussion
			Release

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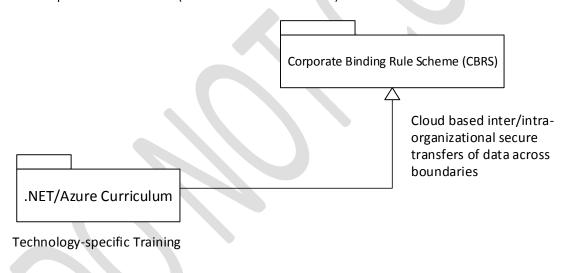
Executive summary

The requirements and processes specified in this draft status document are not intended to be implemented in isolation but rather integrated into existing processes. To this effect, Azure implementer should map their existing processes and frameworks to those proposed by .NET/Azure application security, thus reducing the impact of implementing .NET application security.

.NET/Azure application security is applicable to in-house developed applications, applications acquired from third parties, and where the development or the operation of the application is outsourced.

This documents hosts diagrams intended to visualize the Application Security Controls used on a hypothetical use cases, usage scenarios and PoC projects. Many teams will/can/should add other security and privacy tasks that are specific to their projects.

Relationship to other documents (release date schedule ~ TBD)

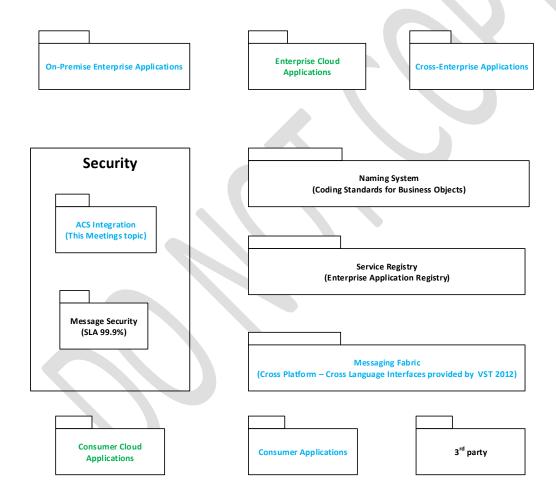


TBC.



1. Internet Service Bus Orchestration

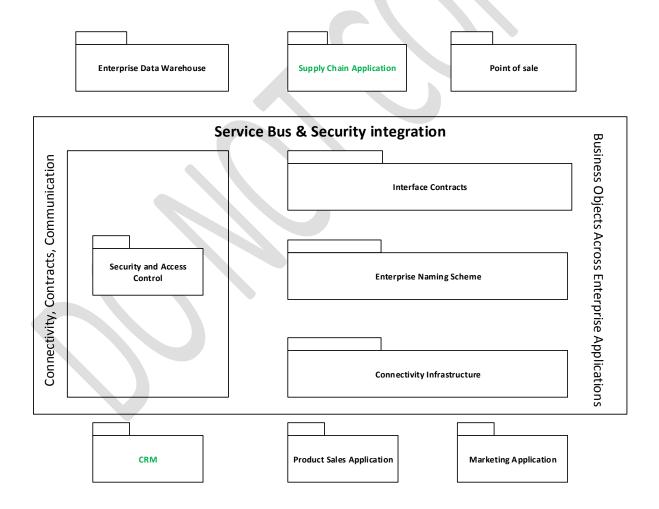
Internet Service Bus Orchestration





2. Enterprise Service Bus Pattern

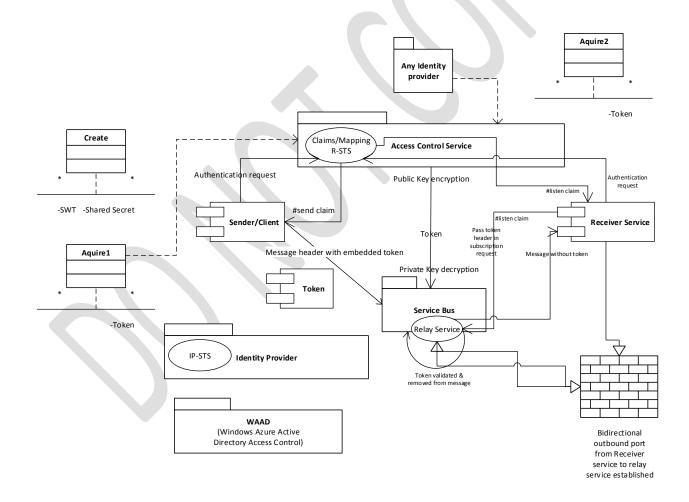
Enterprise Service Bus Pattern





3. AppFabric Service Bus and Access Control Service Bus Integration

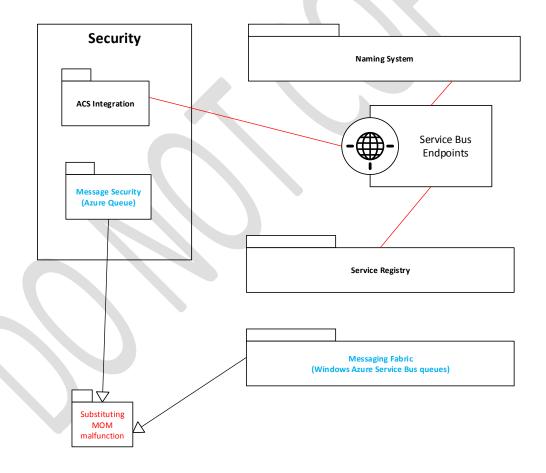
AppFabric Service Bus and Access Control Service Bus Integration





4. Dedicated Service Bus Endpoints in corporate service namespace

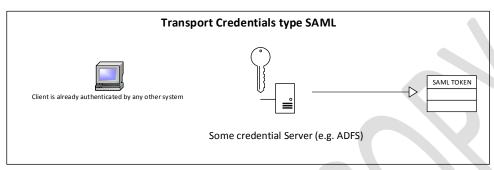
ACS creates dedicated Service Bus endpoints in your service namespace



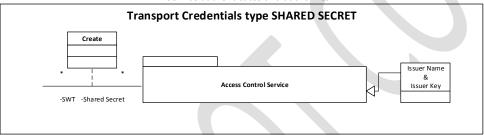


5. Transport Client Credential Types

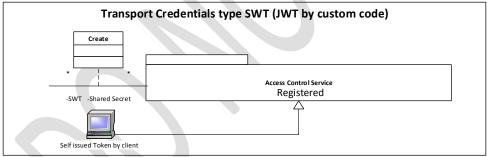
Transport Client Credential Types



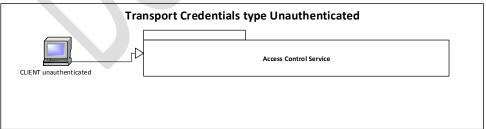
Service authenticates and authorizes



Service authenticates and authorizes



Service does not authenticate and authorize



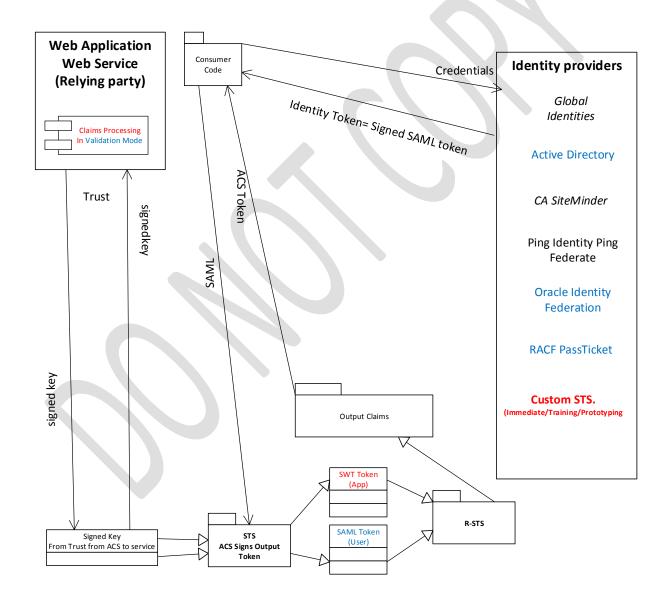
Service authenticates and authorizes



6. Enterprise wide Claims based Identity Management for Application & User

Enterprise wide Claims based Identity Management for Application & User

(High performance in Azure provided – Current Infrastructure too weak)

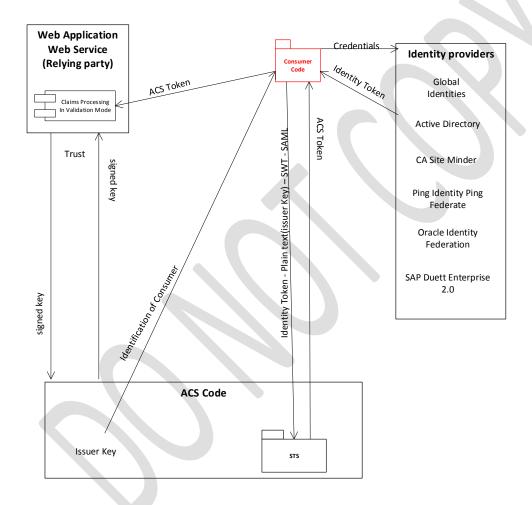




7. Enterprise wide Claims based Identity Management for Applications

Enterprise wide Claims based Identity Management for Application

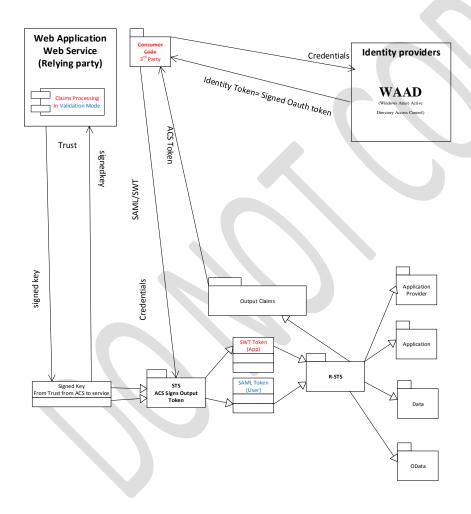
(Claims based Identity Management for user welcome but just optional)





8. Enterprise wide Claims based Identity Management for non-SAML **Applications**

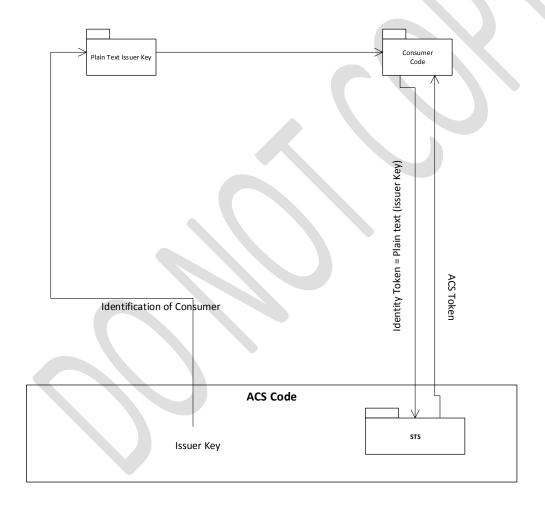
Enterprise wide Claims based Identity Management for non-SAML Applications (High performance in Azure provided – Current Infrastructure too weak)





9. Minimum Procedure for external app interfacing

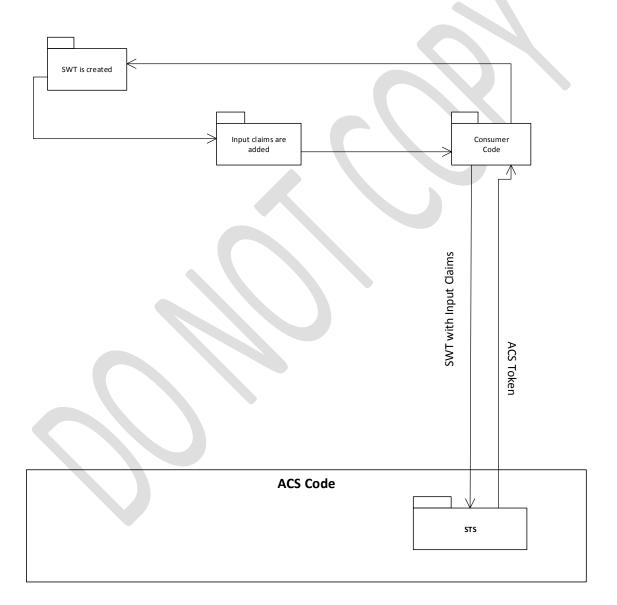
Enterprise wide Claims based Identity Management for Application (Minimum procedure for external app interfacing)





10. Standard Conversation - OOTB

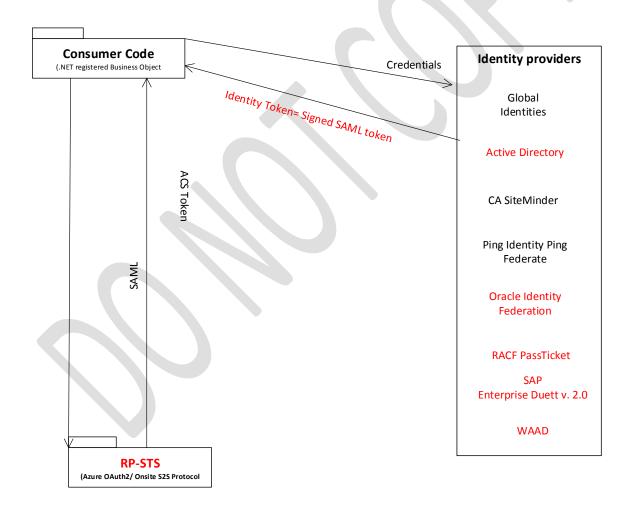
Enterprise wide Claims based Identity Management for Application (Standard Conversation – Fast/Reliable OOTB)





11. Enterprise wide Claims based Identity Management for Application & User

Enterprise wide Claims based Identity Management for Application & User





12. Claims based Identity Management for User welcome but just optional

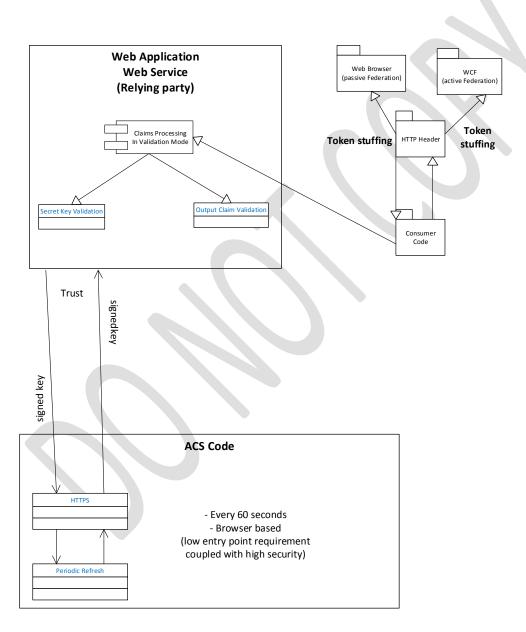
Enterprise wide Claims based Identity Management for Application (Claims based Identity Management for User welcome but just optional)

ACS √ Mapping of Input Claims to Output Claims Mapping Send Claims from trusted Provider Secret Exchange utput Claims with Tok (periodic refresh) Web Service
- Web App.
(Relying App 3 SAML SAP Data Get Claim Get Claim Get Claim Get Claim Oracle SAP RACF ADFS 2.0 Identity (Tivoli) Enterprise Federation DUETT 2.0 Trust Oauth2 WIF API (no abstraction layer)



13. Minimum security procedure for external app interfacing

Enterprise wide Claims based Identity Management for Application (Minimum security procedure for external app interfacing)

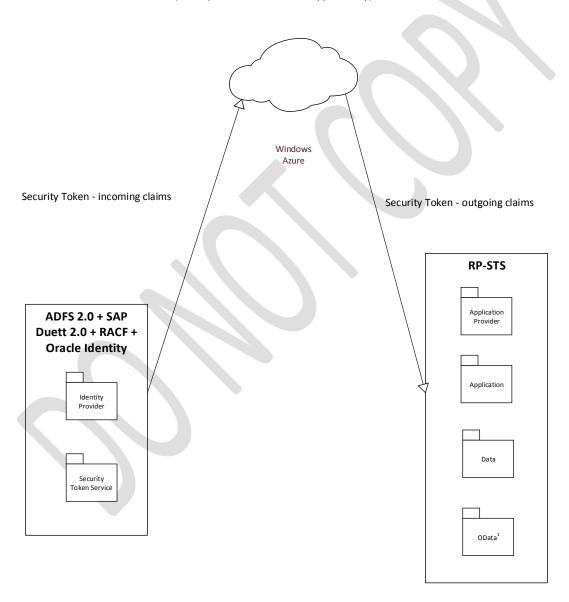




14. Minimum security procedure for external app interfacing

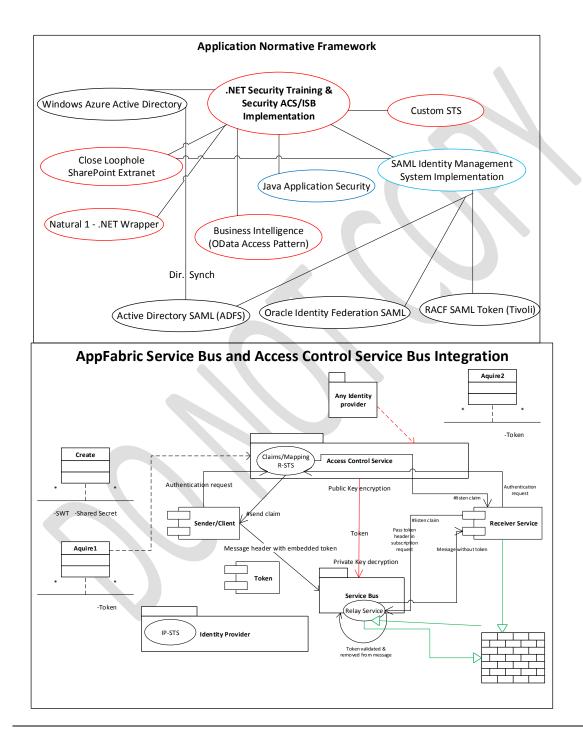
AD+RACF+SAP¹+Oracle Integration Delivering SAML/Oauth¹ Token for User

(Not capable to deliver SAML App Security)





15. Application Normative Framework (PoC candidates)





Evidence that information being used or stored by 16. applications is adequately protected

ISO/IEC Certification for Application Security & ISO Standard 15048

Architecture/Design/Implementation for Product certification to comply with ISO/IEC 15048. This Security Certificate confirms the results of testing according to the CC/ITSEC

Suitability Analysis

Binding Analysis

Architectural Design

is a top-level design document

Ease of Use Analysis



Detailed Design is a refinement of the Architectural Design

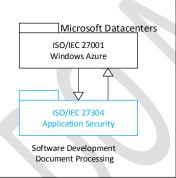
Construction Vulnerabilities Analysis

ISO/ITSEC Certification Standard 15048

Operational Vulnerabilities Analysis

level of detail that can be used as a basis for implementation (Training)

Integration of security processes and activities based on **International Standards**



security enforcing components

test that the security claims refined in the **Detailed Design** are implemented correctly

Implementation deliverables

Development Environment

including Configuration Control, Programming Languages and Compilers and Developers Security

Operational Documentation

(User Documentation and Administration Documentation);

Operational Environment

(Delivery and Configuration, and Start-up and Operation).



17. Corporate Binding Rule Scheme (CBRS)

Corporate Binding Rule Scheme (CBRS)

