



VENNSTER



Creating the Value Circle

Securing Heterogeneous Systems Using Oracle Web Services Manager

Jens Peters [One Fox]

Ronald van Luttikhuizen [Vennster]

22-November-2012 | DOAG 2012

Jens Peters

- Technical Architect at One Fox
- Microsoft MCPD (Windows, Web, Enterprise)
- Co-author of Oracle Technet articles

- More than 10 years of Microsoft technology related experience
- More than 2 years of Oracle Middleware related experience

- Contact: jens.peters@onefox.nl
- LinkedIn: www.linkedin.com/pub/jens-peters/52/2ab/3a
- Web: www.onefox.nl



Ronald van Luttikhuisen

- Managing Partner at Vennster
- Oracle ACE Director for Fusion Middleware and SOA 🏆
- Author of different articles, co-author Oracle SOA Book 11g book
- Upcoming book SOA Made Simple
- Architect, consultant, trainer for Oracle, SOA, EDA, Java
- More than 10 years of software development and architecture experience
- Contact: ronald.van.luttikhuisen@vennster.nl
- Blog: blog.vennster.nl
- Twitter: [ruttikhuisen](https://twitter.com/ruttikhuisen)



Agenda

1. Introduction
2. Case Study
3. Secure OSB Services using OWSM [Demonstration]
4. Introduction to .NET/Silverlight
5. Add Security Config to Silverlight Client [Demonstration]
6. Summary

Agenda

1. Introduction
2. **Case Study**
3. Secure OSB Services using OWSM [Demonstration]
4. Introduction to .NET/Silverlight
5. Add Security Config to Silverlight Client [Demonstration]
6. Summary

Introduction



Figures

- Inhabitants: 1,1m (6th)
- Surface: 3.421 km², density: 321/km²
- Capital: Zwolle
- Workforce (province): approx. 1.000

Tasks

- Regional tasks around themes: territorial planning, water management, stimulating culture, economy, and tourism, improving environment, (financial) governance of municipalities, etc.
- Products: permits, subsidies, supervision and enforcement

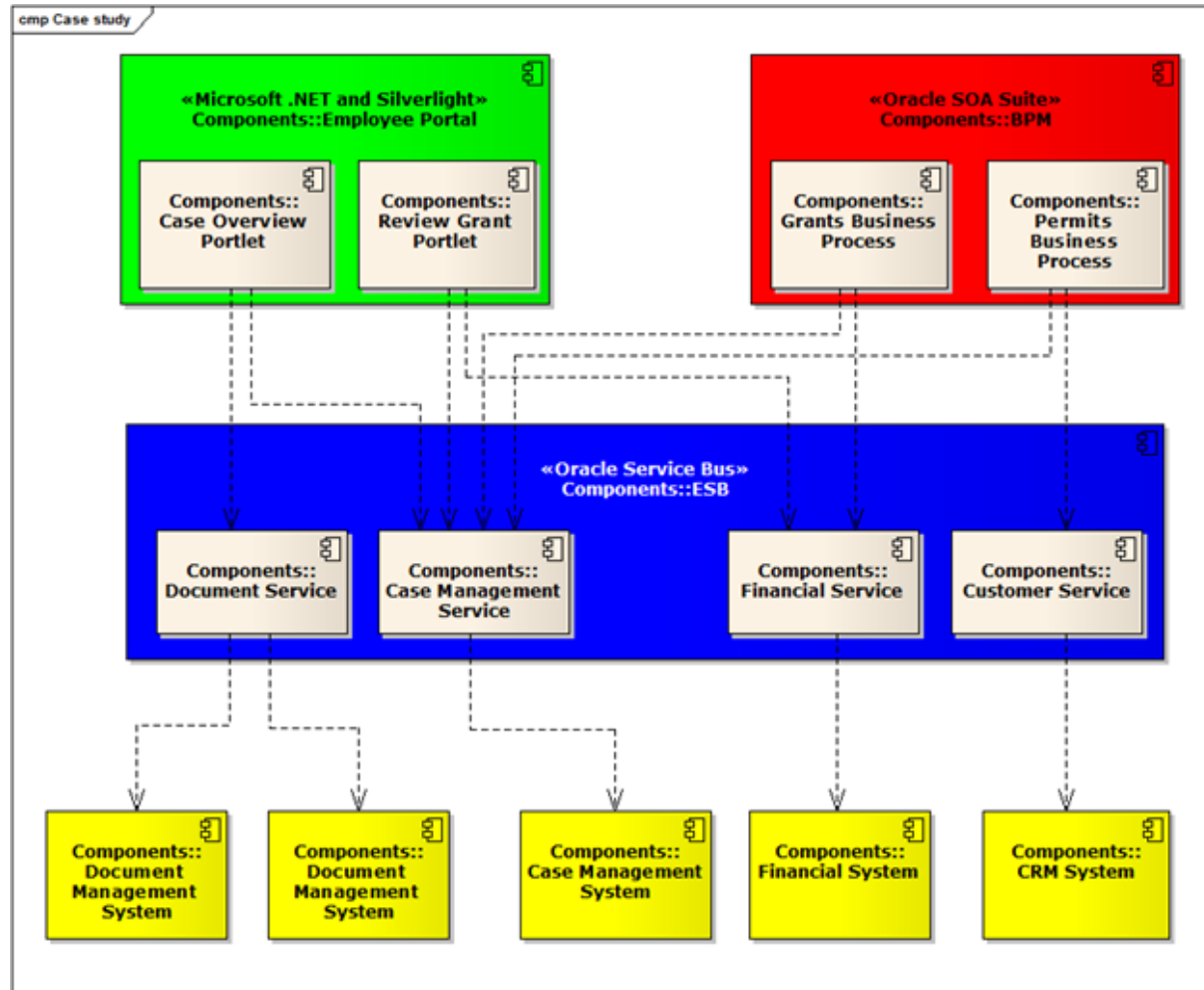
Drivers

- Mergers, shift in tasks, budget cuts
- Chain cooperation
- Working together for economies of scale

Case Study

Technology

- Portal (.NET/SL)
- Oracle SOA Suite
- Oracle Service Bus
- IAM/IDM and AD
- Backend services
 - Standard apps
 - Java and WLS
 - .NET



Overijssel Overzicht Taken Zaken Documenten
← terug naar overzicht
Zaakdossier Subsidieverstrekking/139214355BSN/extern advies-dennis/2012/Beeldende Kunst en Vormgeving, Art e motion **IN_BEHANDELING**
PROV52255

Hoofdzaak
PROV52254 - extern advies-dennis

Deelzaken
PROV52255 - INITIELE_AANVRAAG *
PROV52258 - WIJZIGING

Deelzaakgegevens (Wijzigen)

Projectnaam
extern advies-dennis

Zaaktype
Subsidieverstrekking

Vertrouwelijkheid
Nee

Registratiedatum

Zaakeigenaar

Hsu

Status
IN_BEHANDELING

Besluit
Verleend

Aanvrager

Aanvrager
B. Klaas

Contactpersonen

Actuele zaakgegevens

Regeling
Beeldende Kunst en Vormgeving, Art e motion

Regelingsoort

Aanvraagbedrag
€ 6.500,00

Verleend
€ 6.500,00

[Meer gegevens](#)

Intake

Behandelen

Taken

S-BH.20 (Extern) advies opvragen bij: klaar voor behandeling 09-02-2012

(Extern) advies opvragen bij

Identificatiecode 139214355

Naam B. Klaas

Nam
Klaas, B.
Tweede poststraat 10
7300BB Deventer

[Wijzig relatie](#)

Adresgegevens

Staat + huisnummer Tweede poststraat 10

Postcode + plaats 7300BB Deventer

Reden aanvraag (extern) advies
ik heb advies nodig.
2e x toelichting
----de eerste keer opvragen extern advies: hier kan ik nu de toelichting van weghalen dat is niet goed.

na registreren extern advies ga ik voor de 2e keer extern advies opvragen.

Uiterlijke reactie voor *
<d-M-yyyy> 15

Advies intern opvragen
 Ja Nee

Afronden [Opslaan](#) [Annuleren](#)

- S-BH.23 ToetsenInhoud afgehandeld [lucb] 09-02-2012
- S-BH.21 RegistrerenExternAdvies afgehandeld [lucb] 09-02-2012
- S-BH.20 OpvragenExternAdvies afgehandeld [lucb] 09-02-2012
- S-BH.13 Aanmaken reservering afgehandeld [lucb] 09-02-2012
- S-BH.10 Aanvragen Reservering afgehandeld [lucb] 09-02-2012
- S-BH.15 ToetsenIndieningsVerzisten afgehandeld [lucb] 09-02-2012
- S-BH.01 Controleren Zaakgegevens afgehandeld [lucb] 09-02-2012
- Besluiten

Acties

Taak aanmaken
Autorisaties

Taakplanning

Taak	Status
S-BH.20 OpvragenExternAdvies	klaar voor behande
S-BH.23 ToetsenInhoud	afgehandeld
S-BH.21 RegistrerenExternAdvies	afgehandeld

[volledige lijst weergeven >>](#)

Notities

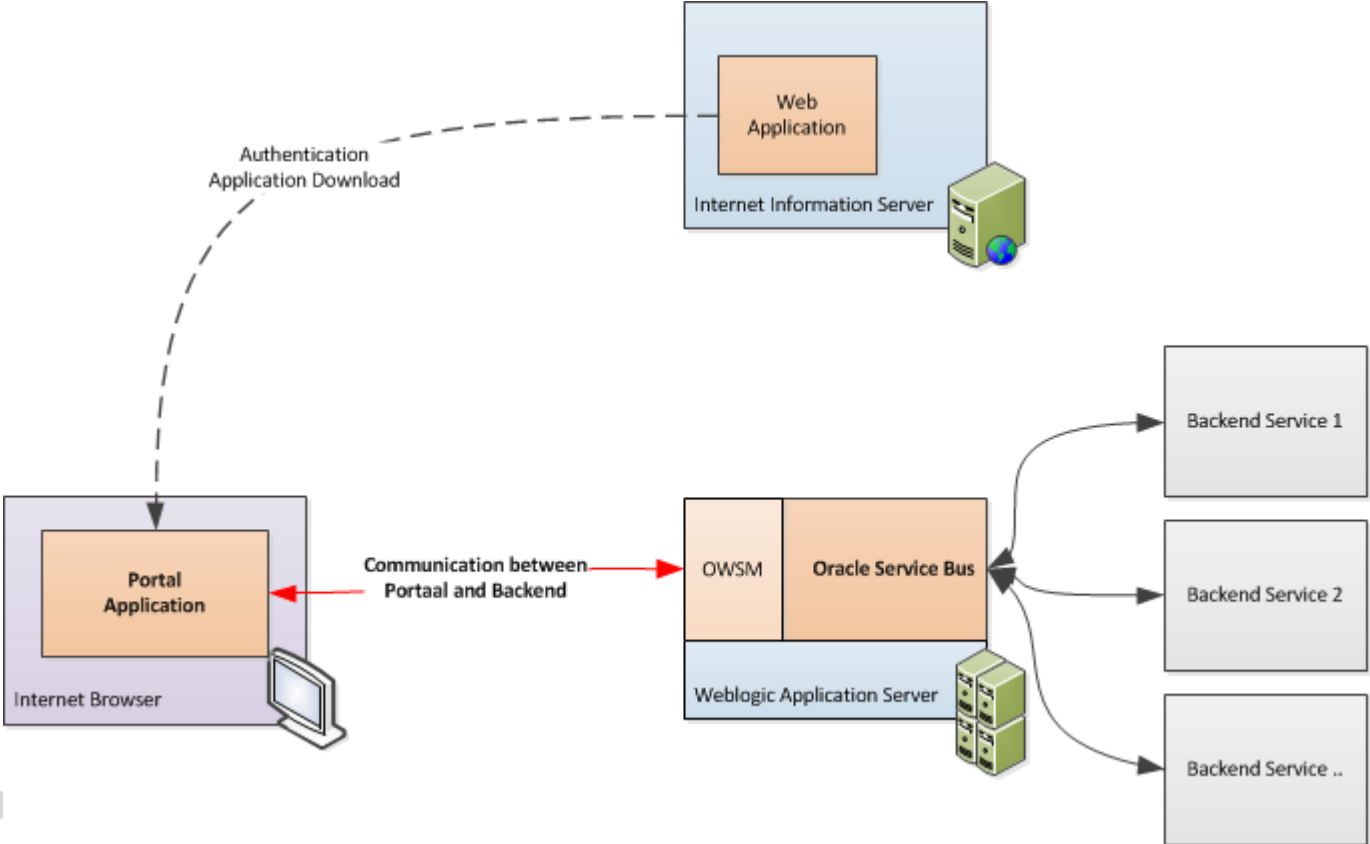
Datum	Onderwerp	Auteur	Verwijderen
Nieuw			

Gekoppelde documenten

Document	Auteur	Dati
Ontvangstbevestiging PROV52255	Naarding, M.	09-f
inkomend extern advies		09-f
Verzoek extern advies PROV52255	Luchies, K.A.	09-f

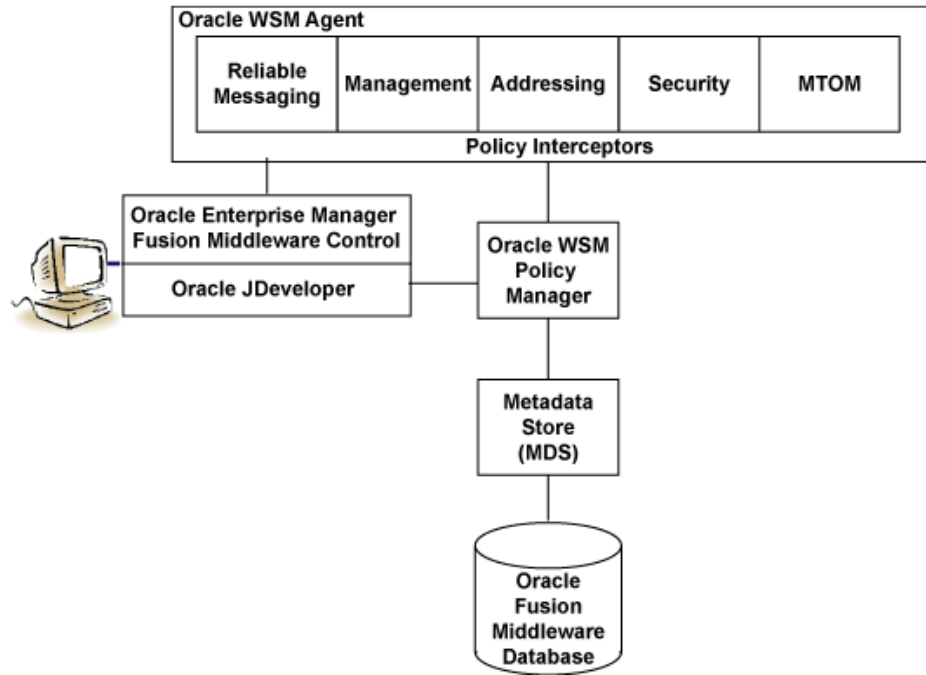
[Toevoegen](#) [Meer >>](#)

Case Study



Oracle Web Services Manager (OWSM)

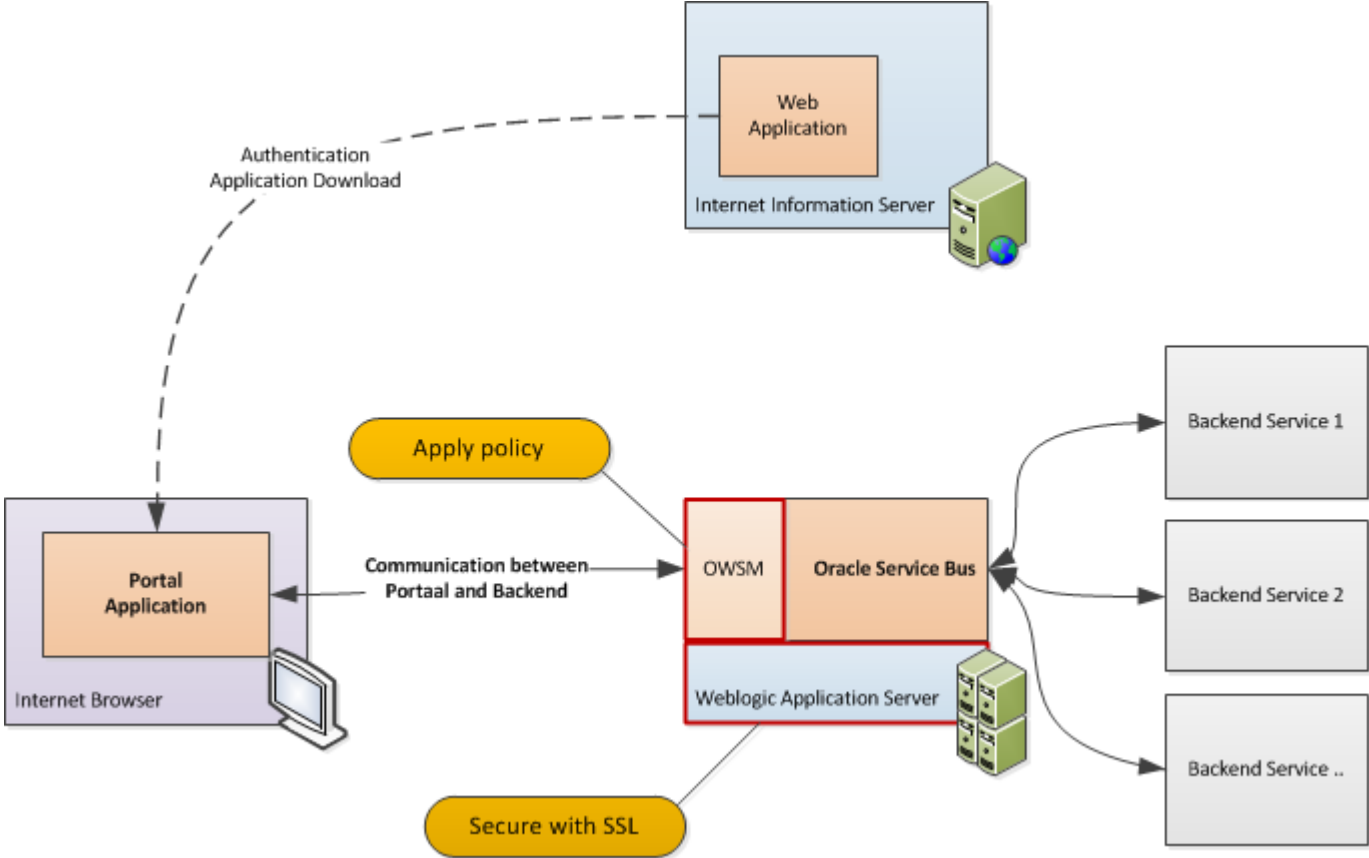
- Architecture: Agent-based
- Types: Provider and consumer
- Level: Transport and message
- Usage: WLS, SOA, OSB, ADF, WC
- Configuration: IDEs, consoles, scripts
- Policies
 - Out-of-the-box
 - Policy creation



Agenda

1. Introduction
2. Case Study
3. **Secure OSB Services using OWSM [Demonstration]**
4. Introduction to .NET/Silverlight
5. Add Security Config to Silverlight Client [Demonstration]
6. Summary

Secure OSB Services



Agenda

1. Introduction
2. Case Study
3. Secure OSB Services using OWSM [Demonstration]
- 4. Introduction to .NET/Silverlight**
5. Add Security Config to Silverlight Client [Demonstration]
6. Summary

Introduction to .NET/Silverlight

.NET

- De-facto MS Runtime for managed applications
- WCF for interprocess communication (since .net 3.0)

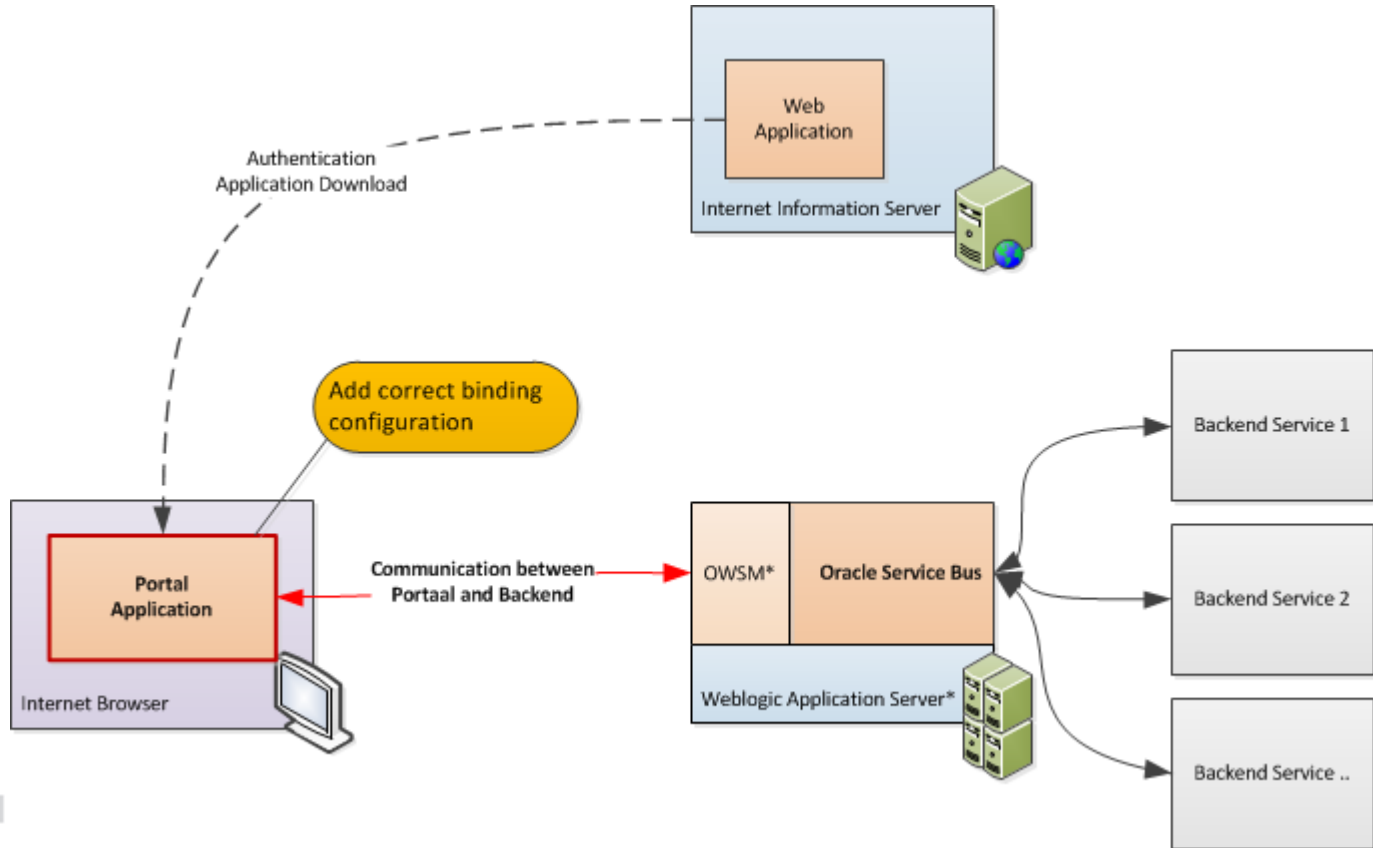
Silverlight

- Platform for Web based applications
- .NET-light within browser, Adobe Flash like architecture
- WCF-light

Agenda

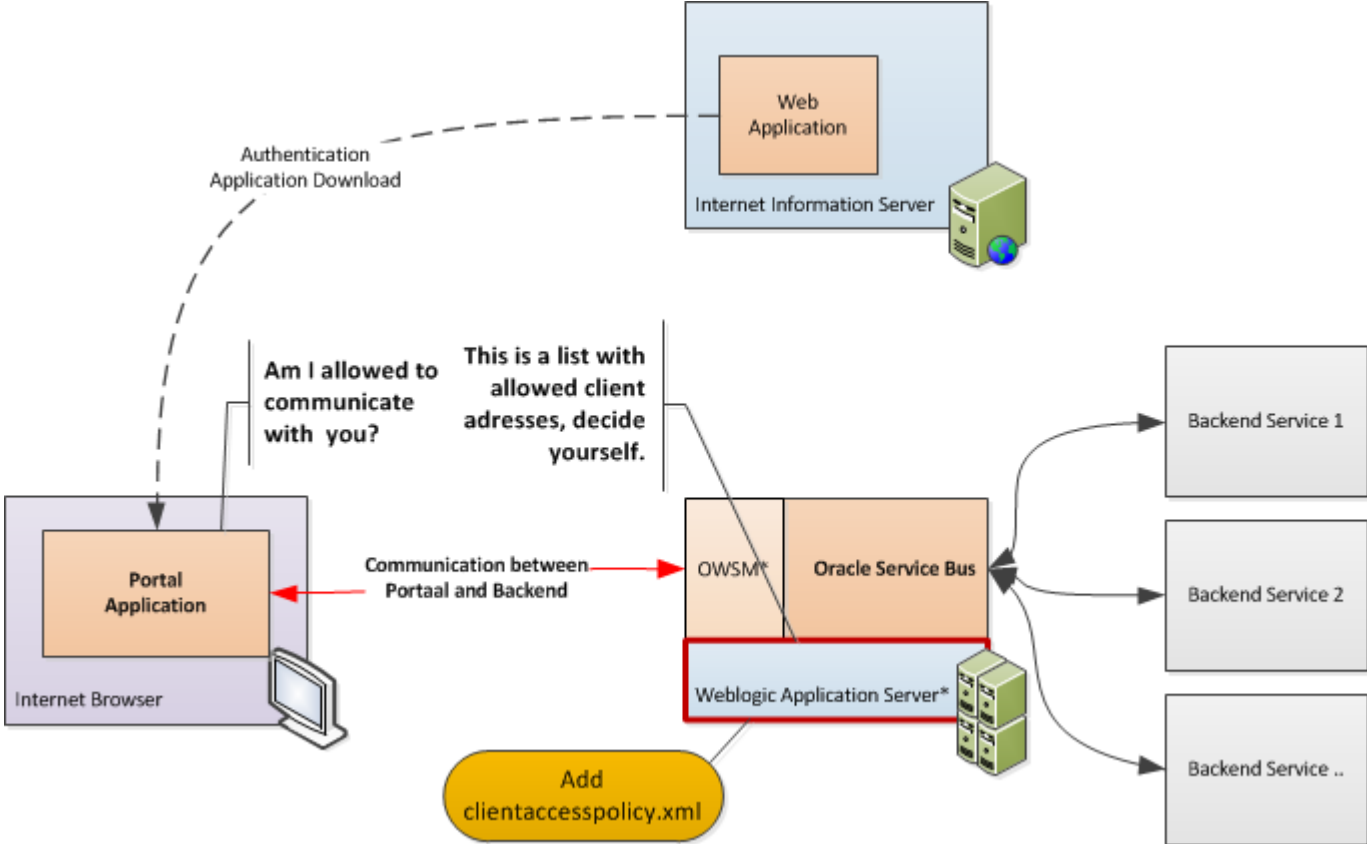
1. Introduction
2. Case Study
3. Secure OSB Services using OWSM [Demonstration]
4. Introduction to .NET/Silverlight
5. **Add Security Config to Silverlight Client [Demonstration]**
6. Summary

Add Security Configuration to a Silverlight Client




```
<configuration>
  <system.serviceModel>
    <bindings>
      <customBinding>
        <binding name="BasicWsSecurity">
          <security authenticationMode="UserNameOverTransport" includeTimestamp="false" />
          <textMessageEncoding messageVersion="Soap11"/>
          <httpsTransport/>
        </binding>
      </customBinding>
    </bindings>
    <client>
      <endpoint address="https://soabpm-vm:7002/HelloWorldService"
        binding="customBinding" bindingConfiguration="BasicWsSecurity"
        contract="HelloWorldService.HelloWorld" name="HelloWorldSOAP_BasicWsSecurity" />
    </client>
  </system.serviceModel>
</configuration>
```

Add Security Configuration to a Silverlight Client



```
<?xml version="1.0" encoding="utf-8"?>
<access-policy>
  <cross-domain-access>
    <policy>
      <allow-from http-request-headers="*">
        <domain uri="http://*" />
        <domain uri="https://*" />
      </allow-from>
      <grant-to>
        <resource path="/" include-subpaths="true"/>
      </grant-to>
    </policy>
  </cross-domain-access>
</access-policy>
```

Agenda

1. Introduction
2. Case Study
3. Secure OSB Services using OWSM [Demonstration]
4. Introduction to .NET/Silverlight
5. Add Security Config to a Silverlight Client [Demonstration]
6. **Summary**

Summary

- Integration between Oracle and Microsoft Technology stacks is possible and easy using standards; including security!
- SSL/TLS and WS-Security most obvious for heterogeneous platforms
- Use Oracle Web Service Manager to apply and enforce security
- Useful tools
 - soapUI
 - Fiddler
 - WCF tracing



Thank you!

VENNSTER



Creating the Value Circle

Jens Peters [One Fox]

Jens.peters@onefox.nl

Ronald van Luttikhuizen [Vennster]

ronald.van.luttikhuizen@vennster.nl