



# Dunet DBE Connector

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# Sovibox

- Small software company based in Helsinki, Finland
- Custom development for large companies
- Own products as ASP services for small customers on own infrastructure
- Specialities: Integration problems

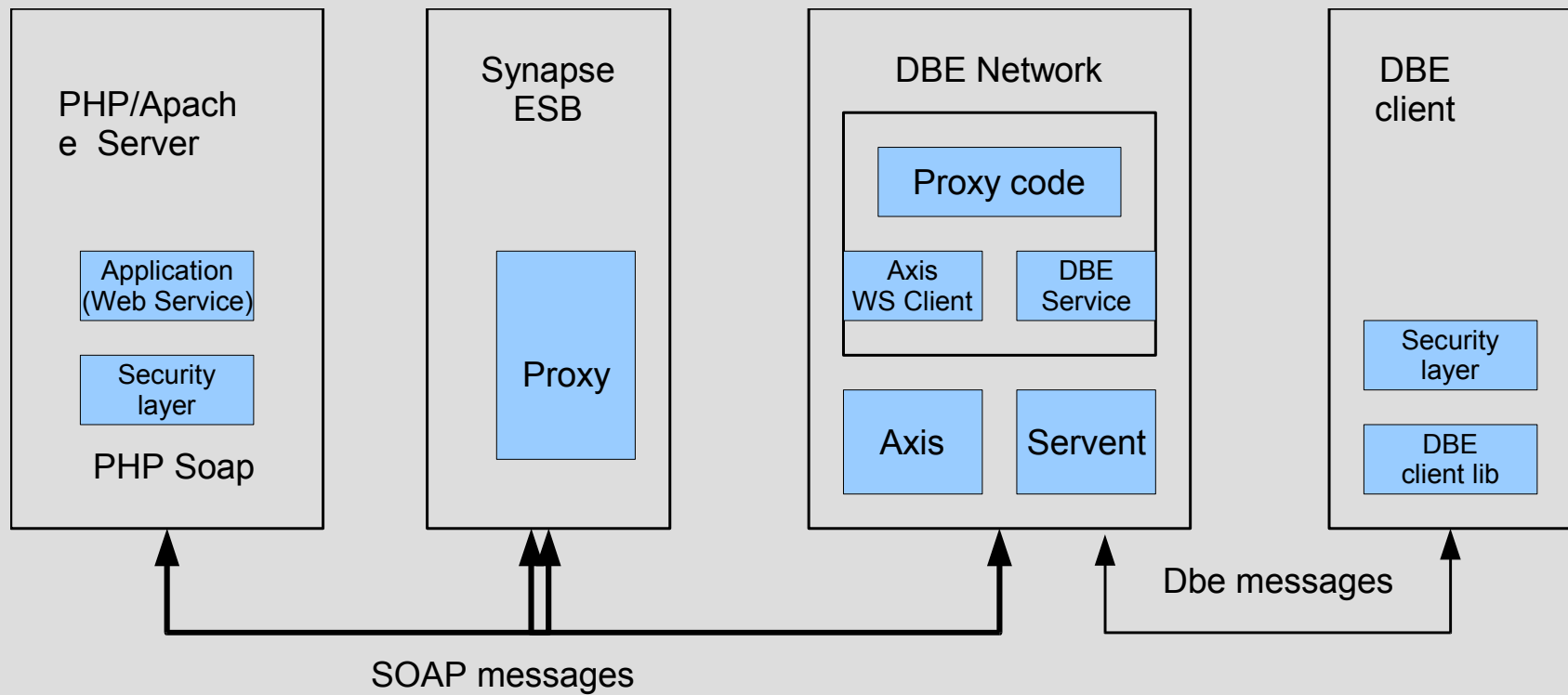
# Starting Point

- What kind of system could be suitable for DBE ?
- Could DBE provide added value
  - Peer to peer communication
  - The DBE network
- We had an invoicing application, that needed an upgrade.
- DBE is Java, Application is PHP
  - Solution: SOAP Web Services

# Requirements

- Provide invoicing services for third parties.
    - manual (i.e. Time sheets)
    - events generated automatically by another system.
  - Provide web services style communication inside the system
  - Enable exchange of Finvoice e-invoices using the DBE
  - Exchange of contact data using vcards
- ..... Secure channel required!!!

# Architecture



# Proxy Routine

```
public String import_customer(String vcardbuf)
{
String rslt= this.perform_soap_call(
                "import_customer",
                new Object[] { vcardbuf });
    return rslt;
}
```

# Where the work is done

```
private String perform_soap_call(String Op, Object[] arguments)
{
    String rslt;
    try
    {
        String endpoint = "http://localhost/ws/ss_dbe_invoicing_server.php";

        Service service = new Service();
        Call call = (Call) service.createCall();

        call.setTargetEndpointAddress( new java.net.URL(endpoint) );

        call.setOperationName(
            new QName("http://ss_dbe_connector.server/soap/", Op));

        String ret = (String) call.invoke(arguments );

        rslt = ret;
    }
    catch (Exception e)
    {
        rslt = e.toString();
    }
    return rslt;
}
```

# Tools

- PHP 5.2
- Postgresql 8.1
- PHP SOAP
- The mcrypt extension
- php to wsdl converter
- PEAR vcard library
- The AXIS SOAP library in the ServEnt
- BouncyCastle encryption library
- Base64 encoding lib
- Apache Synapse

# DEMO

Export/import of various items.

# Thank You!

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