





sales@comforte.com

# Access to Pathway from remote clients in a service oriented manner

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#### Company Profile

Our Mission: Assisting enterprises to deploy secure, manageable and cost-effective NonStop server access

→ comForte GmbH / Germany

→ Founded: Oct 1998

→ CEO: Dr. Michael Rossbach

CTO: Michael Horst

**→**Offices:

Neuruppin (north of Berlin)

Wiesbaden (near Frankfurt)

→comForte Inc. / USA

→ Founded: June 2005

→ President: Knut Rossbach

CTO: Thomas Burg

→ Office: Old Tappan, New Jersey

**⇒** Employees: 20

■ Revenue 2005: 2.5 Mio Furo

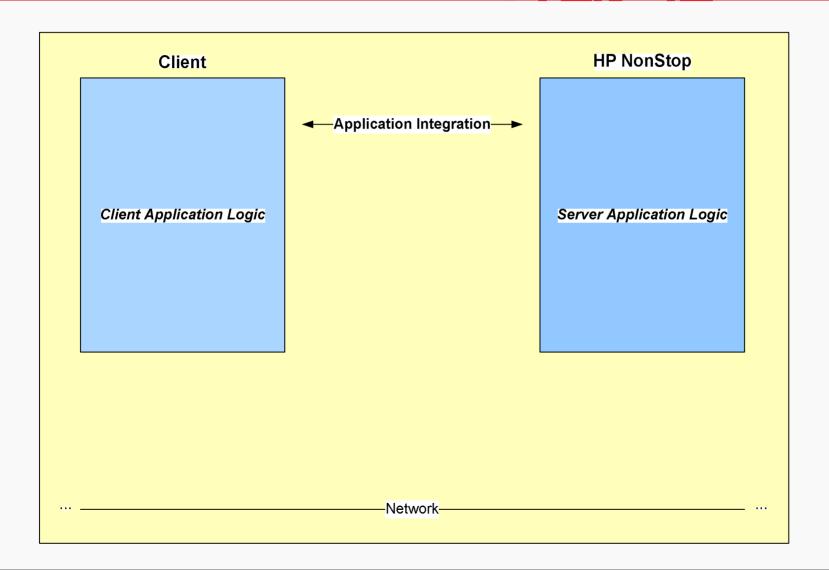


communication is our Forte



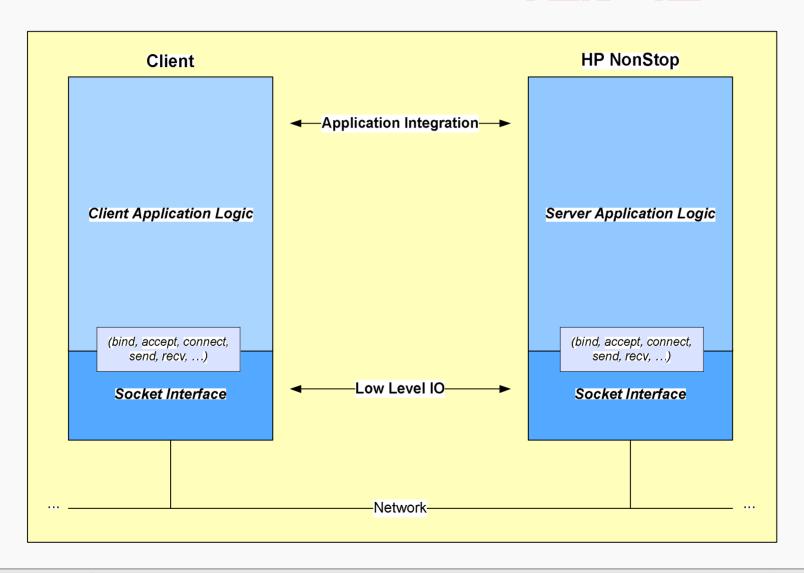
# NonStop Access Layered: Application Integration

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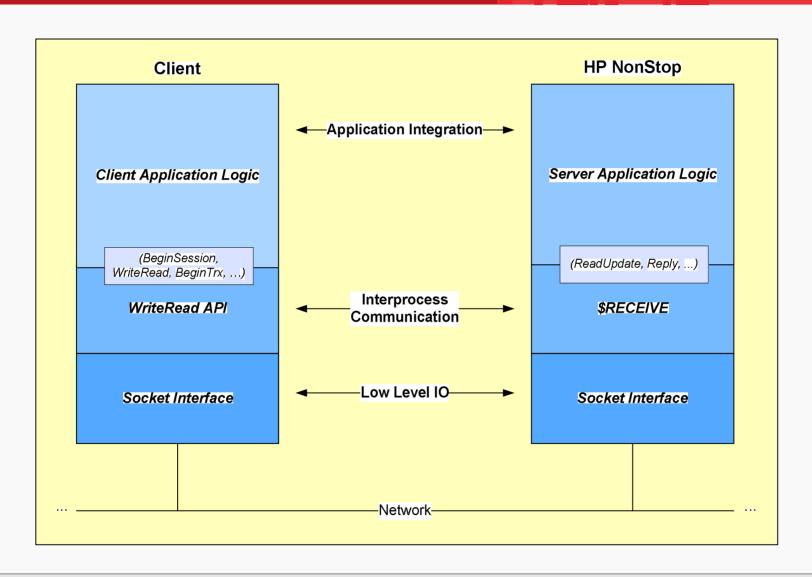


# NonStop Access Layered: Low Level Communication



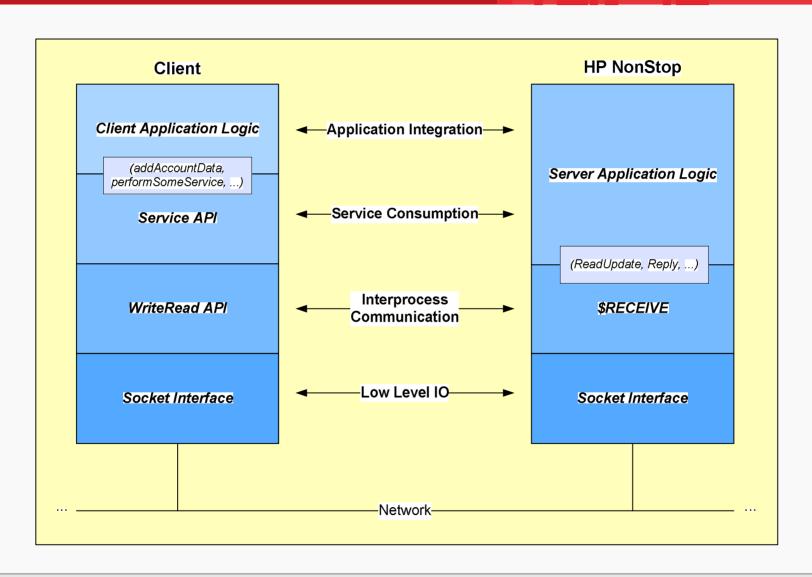


# NonStop Access Layered: Interprocess Communication



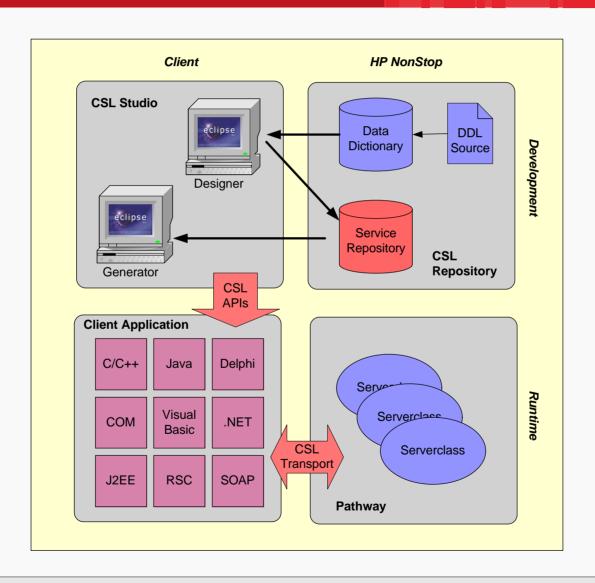


# NonStop Access Layered: Service Consumption



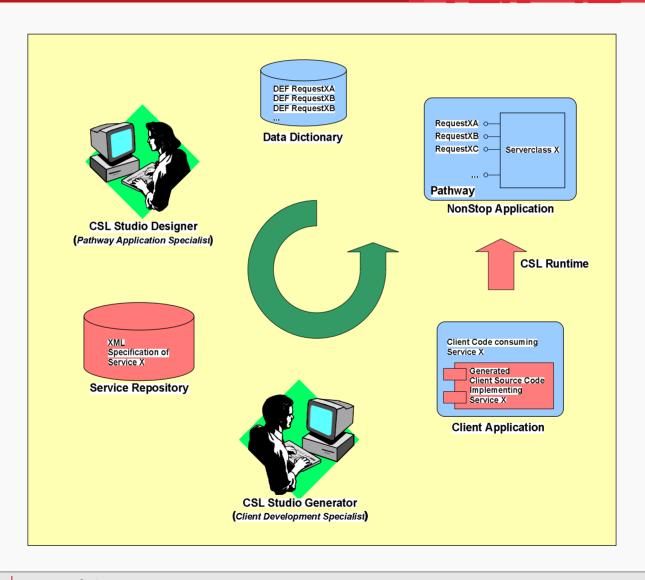


#### Pathway Access With CSL In A Nutshell



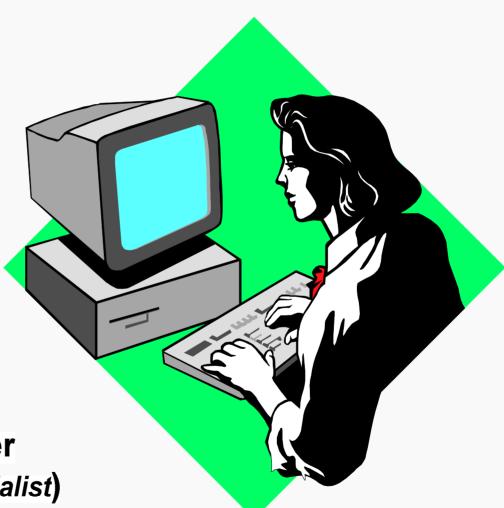


# CSL Development Cycle





#### CSL Studio Designer – Sample Screens

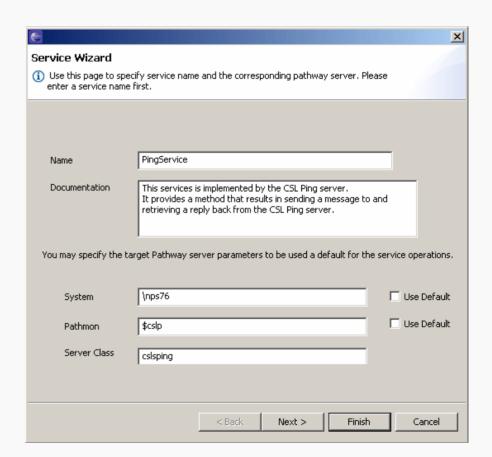


**CSL Studio Designer** (Pathway Application Specialist)



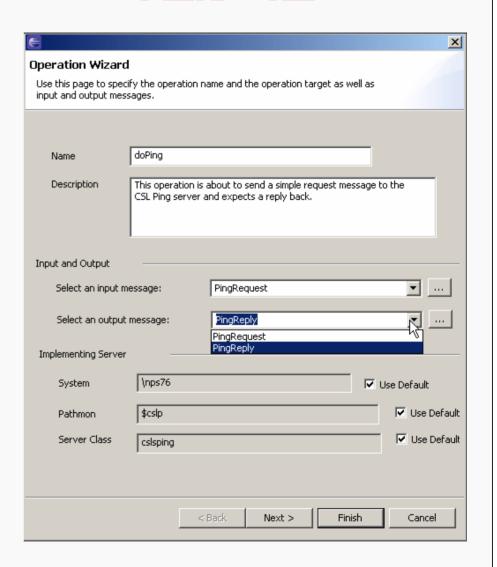


- → Giving the service a name
- → Add some explanations about scope and purpose of the service
- → Associate the targeted Pathway Serverclass



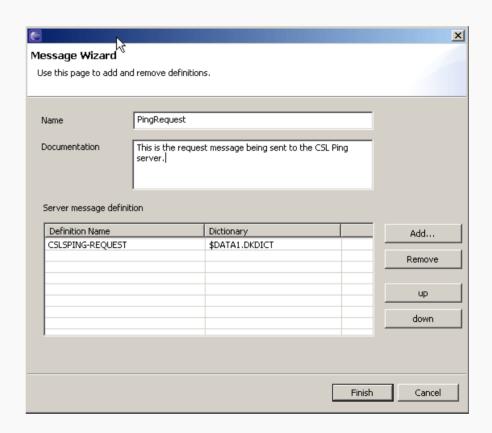


- → Assign a Service Operation
- → Give the Service Operation a name
- → Add some explanations about its purpose
- → Associate the operation's input and output message.



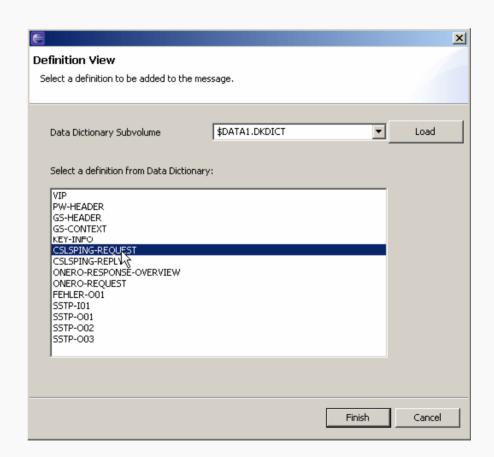


- → Define the format of the Service Operation's input and output message
- ◆ The input message format corresponds with the request message accepted by the targeted Pathway serverclass
- → The output message format corresponds with the reply messages returned by the targeted Pathway server



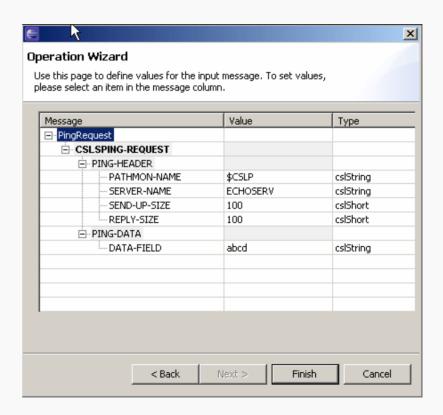


→ Associate Data Definitions retrieved from Data Dictionary on NonStop with the Service Operation's input and out message.





→ Assign default values to fields of the Service Operation's input message where needed





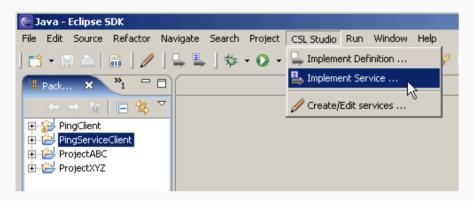
#### CSL Studio Generator – Sample Screens



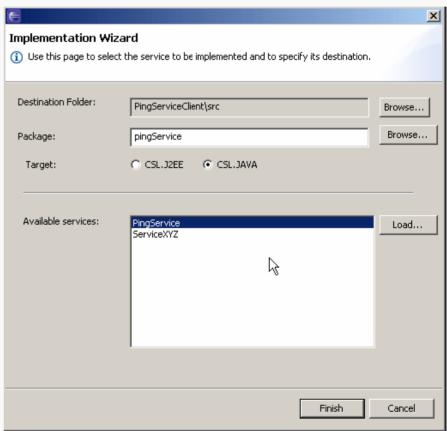
**CSL Studio Generator** (Client Development Specialist)



# Generate Java Client code consuming the Service



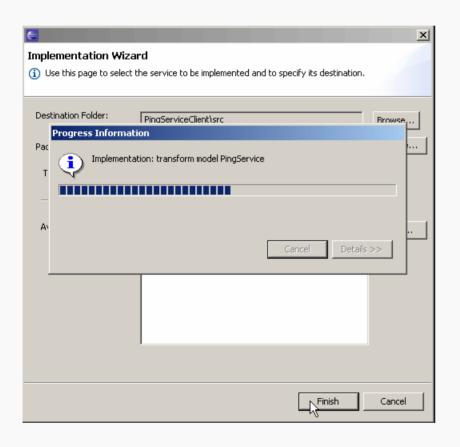
- **→ Execute** the CSL Studio Generator
- → Select Service Definition to generate code for

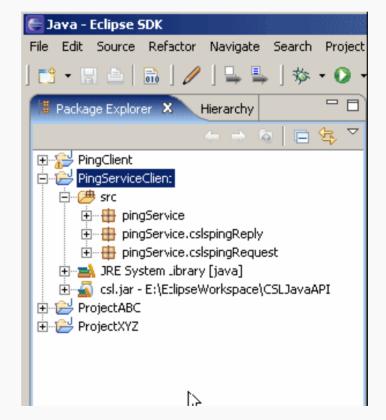




#### CSL Studio Generator – Sample Screens

→ Wait until code is generated into the current Java project







#### Generate Java Client code consuming the Service

```
import pingService.*;
public class PingServiceClient {
   public static void main(String[] args) {
   PingService pngService = null;
   try {
     pngService = new PingService();
   } catch (Exception e) {...}
   try {
     PingReply pngReply =
               pngService.doPing(new PingRequest());
   } catch (Exception e) {...}
```



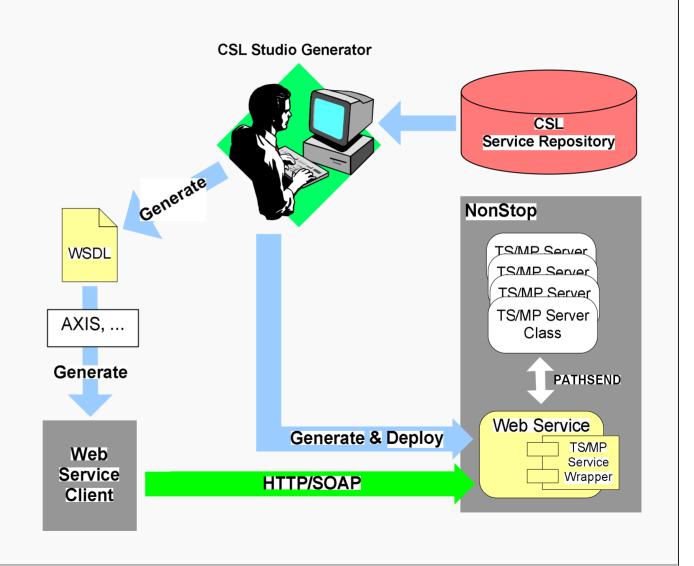
#### **CSL Studio Benefits**

- NonStop & Pathway knowledge not needed at client development side
- → Results in less complex code -> easier to maintain
- Client developer can focus on business logic
- → Allows rapid client development -> less effort
- Pathway Development specialist involved only once for different client programming environments



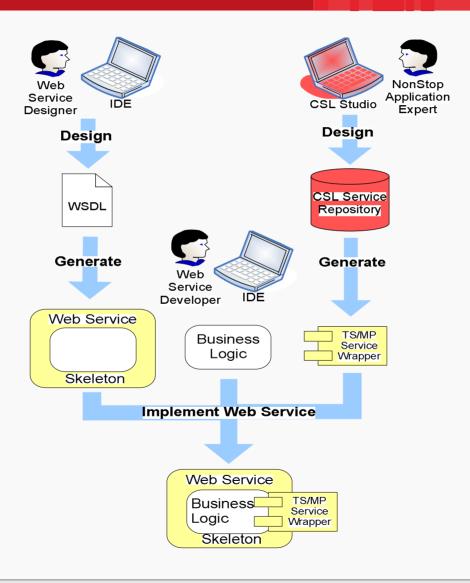
# Exposing a Pathway Serverclass as a Webservice

- **→ Expose Pathway** Applications as a Webservice
- **→ CSL Studio** generates WSDL file and **SOAP/Pathway Proxy**
- → Webservice Client created from WSDL using standard tools



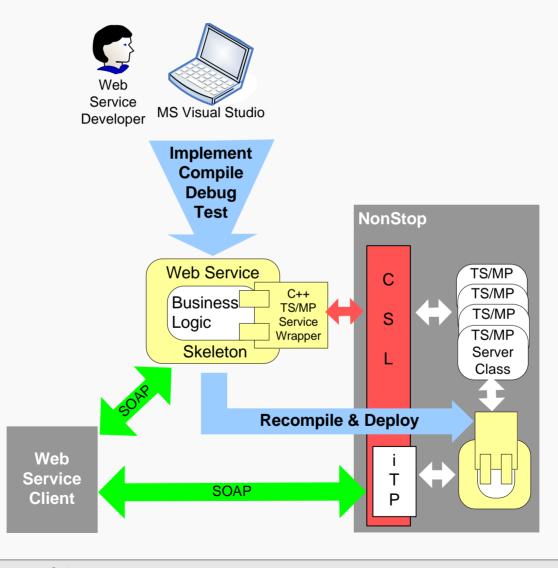


#### NonStop as the basis for mission critical SOA-based services



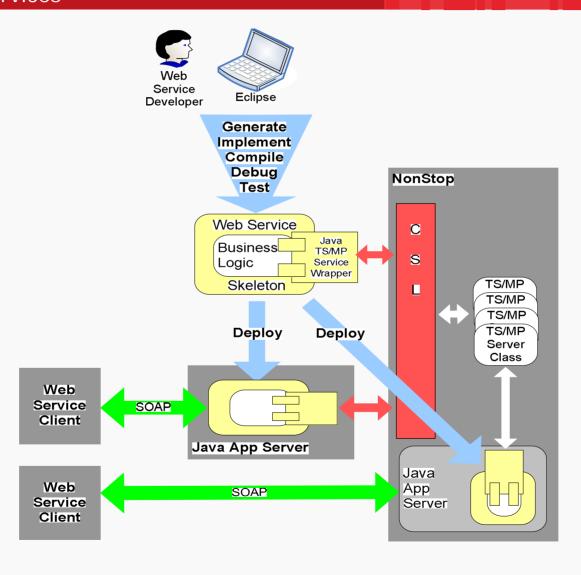


#### NonStop as the basis for mission critical SOAbased services



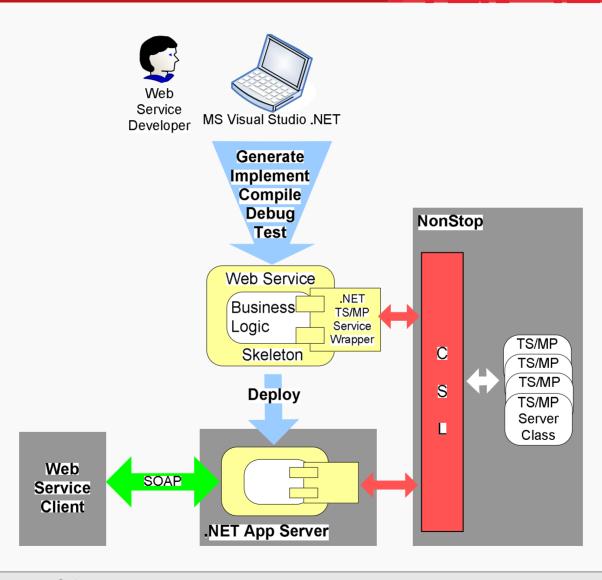


#### NonStop as the basis for mission critical **SOA-based services**



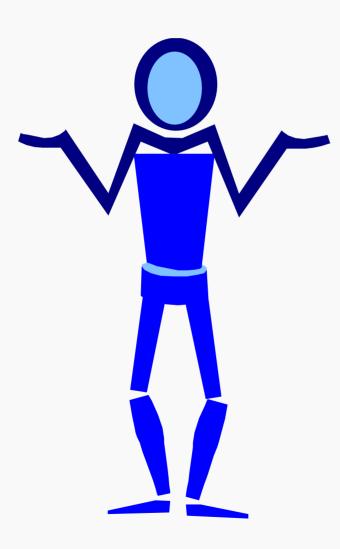


#### NonStop as the basis for mission critical SOA-based services





# Questions?



→ If you have further questions please contact us here at VNUG or send an e-mail to sales@comforte.com