


# Domino REST Development Enablement

## Agenda

Produced by Intec Systems Limited



 Intec House, St Nicholas Close. Fleet, Hampshire. GU51 4JA	<i>Doc. Ref: INS 044 Domino REST Development Enablement</i>	<i>Ver. Numbe13.0</i>
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# 1 DAS

- How to Enable
- When To Use / Not Use

# 2 Smart NSF

- Introduction to REST with SmartNSF
- Installing SmartNSF
- Using SmartNSF
- What is Swagger?
- Using as an application development contract
- Introduction to Swagger Editor
- Creating a Mock Server
- Testing with Postman

# 3 Standard REST With JAX-RS, Wink and Jackson


- What is JAX-RS?
- What is Wink?
- Why Jackson?
- Setting up Development Environment
- Eclipse
- XPages SDK
- OpenNTF Domino API (ODA)
- ODA Starter Servlet
- Creating your first REST Servlet
- Classes vs Singletons
- IBM Libraries to Leverage
- JUnit tests
- Creating a Swagger contract

# 4 Vert.x

- Why Vert.x
- What is Vert.x
- Development Environment
- Overview of Maven
- REST with Vert.x Web
- Setting up web server
- Routers and Routes
- Mock server
- Unit Tests

# 5 GraphNSF

- Storing Domino data as graph databases
- Out-of-the-box REST access

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## 5 GraphQL

- What is GraphQL?
- Advantages over standard REST
- GraphQL in action - Watson Work Services
- Schema-less GraphQL on Domino
- Schema-less GraphQL on Darwino

## 6 Developing with REST for Domino Developers (Optional)

- Modern JavaScript (ES2015+)
- TypeScript
- Transpiling for browser compatibility
- Avoiding JavaScript / jQuery
- Overview of Angular 2
- Overview of React
- Development Environments
- Packaging to run on Domino
- Overview of Darwino for offline mobile / desktop use

The agenda is a 2-day course with an optional half-day high-level overview of development options.

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