**Exercise Guide**

**VM location:**

**U/P: ox-soa/ox-soa**

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| Exercise | Description and PDF link |
| 1 | Creating a RESTful Service and interacting with it  <http://freo.me/1bnhdLA> |
| 2 | Calling SOAP services using SOAP UI  <http://freo.me/IifyKH> |
| 3 | Creating a SOAP service from a Java implementation  <http://freo.me/InNaYe> |
| 3a | Creating a WSDL and then a SOAP service from that WSDL  <http://freo.me/1dAkOHT> |
| 4 | Generating a client from a WSDL  <http://freo.me/1ezpP0w> |
| 5 | Using TCPMon to watch interactions  <http://freo.me/IgEK4u> |
| 6 | Creating Keystores  <http://freo.me/IgEL8A> |
| 7 | WS-Security with SOAP  <http://freo.me/1cNBxT7> |
| 8 | Basic ESB mediation of REST to SOAP  <http://freo.me/1aU7DxS> |
| 9 | Installing and using the Starbucks REST to SOAP mediation  <http://freo.me/195vQxd> |
| 10 | Using a Registry  <http://freo.me/1ghkvQ3> |
| 11 | Building a BPEL process  <http://freo.me/1ghkzPN> |
| 12 | API Management  <http://freo.me/1cudZ5R> |

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| Server | Offset | Directory | Admin Port / web |
| Tomcat | NA | ~/servers/tomcat | <http://localhost:8080> |
| App Server | 0 | ~/servers/wso2as-5.2.1 | <https://localhost:9443> |
| Enterprise Service Bus | 1 | ~/servers/wso2esb-4.8.1 | <https://localhost:9444> |
| Governance Registry | 2 | ~/servers/wso2greg-4.6.0 | <https://localhost:9445> |
| Business Process Server | 3 | ~/servers/wso2bps-3.2.0 | <https://localhost:9446> |
| API Manager | 4 | ~/servers/wso2am-1.7.0 | <https://localhost:9447> |
| Business Activity Monitor | 5 | ~/servers/wso2bam-2.4.1 | <https://localhost:9448> |