



RSA EDUCATION SERVICES

Project Definition Document (PDD)

RSA NetWitness Logs and Packets: Intro to REST API

RSA NetWitness Logs and Packets: Using REST API

The Project Definition Document (PDD) defines and documents the project requirements for development of Education Services course offerings for our learners.

Revision History: Use this table to enter and track revisions made to the PDD.

DATE	REV.	DESCRIPTION OF CHANGES	OWNER
	1.0	Initial draft of the PDD	Peter Lester

Review and Approval: Use this table to specify PDD review and approval.

Please Approve by Nov 17

NAME	TITLE	REVIEWER / APPROVER	DATE	APPROVAL/COMMENT
Lisa Zeena	ES Delivery	Approver		
Kathleen Bissonnette	ES L&D	Approver		
Lisa Tiernan	ES Curriculum Lead	Approver		
Jake Dorval	SPL	Reviewer		
Peter Lester	ES ID Lead	Reviewer		
Dan Drew	SME	Reviewer/contributor		
Sean Ennis	SME	Reviewer/contributor		
Naushad Kasu	SME	Reviewer/contributor		

Dace McPherson	Instructor	Reviewer/ Contributor		
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Note: Review and Approval Deadline: Approval / Comments Due By: 11-17-2016

Project Overview: RSA NetWitness Logs and pacekts: Introduction to REST API and Using REST API

Executive Summary	This project consists of two components suitable for NWLP Administrators and development teams interested in automation and integration. A short eLearning will serve as the introduction and will point out the advantages of using the REST API and drive learners to RSA University for the second component. The second component will consist of a 4-hour eLearning tutorial covering concepts and an on-demand lab in which the student will use the REST API to administer aspects of the NWLP environment programmatically.
Intended Audience(s)	Check ALL that apply: Customer <input checked="" type="checkbox"/> PS <input type="checkbox"/> CS <input checked="" type="checkbox"/> SE <input type="checkbox"/> New Hire <input type="checkbox"/> Partner <input checked="" type="checkbox"/> MSSP <input type="checkbox"/> Other <input type="checkbox"/>
Course Methodology	Check ALL that apply: ILT <input type="checkbox"/> eLearning <input checked="" type="checkbox"/> eLab <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Intended for Use in Customer ILT?	N/A <input type="checkbox"/> Yes <input type="checkbox"/> * If eLearning than this will require the creation or development in PPT No <input checked="" type="checkbox"/>
Estimated Training Duration <i>This estimate may change during the development of the training</i>	<ul style="list-style-type: none"> Project 1 eLearning: 5 minutes Project 2: eLab plus tutorial eLearning: 6 hours (self-paced)
Project Deliverables	<list the project deliverables that will be created, such as student guide, lab guide, elabs, VMware environment, add as needed, examples given below> <ul style="list-style-type: none"> Lab Guide (Word) Virtual Labs (Skytap) Published Storyline Published Camtasia as MP4s housed on EduTube (and possibly beyond)
Course Objectives	Upon completion of this training, the learner should be able to: <ul style="list-style-type: none"> List the advantages of the REST API and the benefits to an Administrator Describe the REST API Describe reasons for using the REST API Describe how the REST API works Describe how to use the REST API to perform administrative tasks Describe how the REST API can be used to automate tasks and integrate 3rd party applications at a high level Perform simple administrative tasks using the REST API in a browser and using a CLI Describe how it would be used with a script
Pre-requisite Skills/Knowledge	Students of this class must know in advance that: <ul style="list-style-type: none"> Understanding that use of the REST API is an advanced skill and that misuse of it will result in serious complications to a production environment. RSA NetWitness Logs and Packets Foundations (Classroom training) RSA NetWitness Logs and Packets Administration (Classroom training) Some programming background helpful but not required
Certification	N/A
Curriculum Alignment	RSA NetWitness Logs and Packets

Resource Requirements & Dependencies

Course Developer	Peter Lester
Subject Matter Experts	Sean Ennis Dan Drew Naushad Kasu

	Dace McPherson
Content Reviewers	Lisa Tiernan Sean Ennis Dan Drew Naushad Kasu Dace McPherson
Instructor Time	Dan Drew and Dace McPherson are collaborators on the project and are dedicating significant hours to the design, development, review, and testing of this project
Software	NWLP 10.6.2
Environment Assistance	NWLP Foundations environment will need to be used and probably saved down and possibly extended as a new environment for this eLab (Phil and Jason)
Other	N/A
Risks & Dependencies	This project is dependent on SME involvement by Sean Ennis and Naushad Kasu. It is also subject to availability of instructors to collaborate between teaching schedules
Video Production Needed?	No <input type="checkbox"/> Yes <input type="checkbox"/> <Fill out Production Request Form at the end of this document and, email to Production Team> -- I will handle this aspect myself

Projected Schedule and Milestones

Task	Details / Information	Estimated Completion Date
<i>Project Kickoff</i>	Scheduled by ES developer / PM	10-10-2016
<i>CD Assigned</i>		10-10-2016
<i>SME Assigned</i>		10-20-2016
<i>PDD Creation</i>	This document, which is created by ES dev	11-14-2016
<i>PDD Updated & Approved</i>		11-17-2016
<i>Create Dev Environment</i>	vCloud / EMEA VDC / SkyTap	11-05-2016
<i>Create Course Description</i>	Using full course description template	11-18-2016
<i>Draft Content Creation</i>	PPT, Storyline, Labs etc	11-25-2016
<i>SME Review of Content</i>		11-28-2016
<i>Incorporate SME Feedback</i>		12-10-2016
<i>Demos</i>	(vCloud/ EMEA VDC / SkyTap)	12-27-2016
<i>Incorporate Changes to Labs</i>		12-10-2016
<i>Finalize and Save Env</i>	(vCloud/ EMEA VDC / SkyTap)	12-15-2016
<i>Content Finalized</i>	ILT / eLearning / eLab	12-26-2016
<i>Publish Studio / Storyline</i>	eLearning Only	12-27-2016
<i>QA Test of E-learning</i>		12-29-2016
<i>Course description Posted to SalesIQ</i>		12-29-2016
<i>Project Complete</i>		12-31-2016

Note: The table above serves as an initial guideline for the project. Ideally, the developer and project manager will fill in as much as possible during the kickoff meeting (which may be limited) – but this information will be updated by the project manager in a separate spreadsheet.

Instructional Design: RSA			
Intro eLearning: Learning Objectives	Knowledge	Labs	Design Methods / Notes
1. List the advantages of the REST API and the benefits to an Administrator	<i>How is the REST API used in the field</i>	no	<i>animation</i>
Using REST API eLearning: Learning Objectives	Knowledge	Labs	Design Methods / Notes
2. Describe what the REST API is	<i>Distinguish between REST API architectural style and RSA implementation</i>	no	<i>How is this information presented?</i>
3. Describe reasons for using the REST API	List real world tasks and the use of automation	no	eLearning PPTs, graphics, visio if needed, and the like
4. Describe how the REST API works under the covers	Discuss URL object, client server model, web service on each appliance/service type and the general tree view	no	eLearning PPTs, graphics, visio if needed, and the like
5. Describe how to use the REST API to perform administrative tasks	Know how to use a browser and how it interacts to pass request/response syntax strings and how to manipulate them	no	eLearning PPTs, graphics, visio if needed, and the like
6. Describe how the REST API can be used to automate tasks and integrate 3 rd party applications at a high level	Understand how to take request/response strings and know that they can be included as arguments in commands such as curl or include them in scripts and 3 rd party apps	no	eLearning PPTs, graphics, visio if needed, and the like
Using REST API On-Demand eLab: Learning Objectives	Knowledge	Labs	Design Methods / Notes
1. Perform simple administrative tasks using the REST API in a browser, over a CLI, and with a script Labs will consist of tasks such as: Use the Explore View to perform a simple administrative task Use REST in a browser to perform the same task	<i>How to navigate the various tools, browsers, CLI, appliance/service-type trees, nodes, messages, parameters, and help functions to perform several administrative tasks</i> <i>How the syntax and components operate with the client server model's use of passing information through the URL object</i>	yes	<i>Learn-by-doing in</i>

<p>Use REST help to generate a request string</p> <p>Use rest Help to better understand messages and parameters</p> <p>Change an existing URL to perform various tasks including changing the output format</p> <p>Use curl to perform an ad-hoc REST query</p> <p>Possibly: edit a script to include a query string and then run the script and verify expected results</p>			
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