GNED-107: netTerrain API

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Course Overview

This guide is for you, the tamer of netTerrain automation! It is also for all those software developers out there that can't wait to create integrations with netTerrain.

The estimated duration of this course is approximately 12 hours.

Assumptions

Users of the API are typically programmers familiar with C# (or Java or Python or whatever you get your hands on that is able to connect to WCF). If you are not familiar with any of these vastly superior OO languages and all you did was write some spaghetti PHP scripts or hack some SQL you are still welcome, we forgive you. Plenty of examples are provided throughout the guide to help you along the way.

Now go turn those cups of coffee into lines of code.

Course Materials

For training at Graphical Networks facilities we provide all necessary materials. For on-site training Graphical Networks may request students to bring a laptop. In addition, on-site training requires a room equipped with a large monitor or space for a projector as well as internet connection.

Resources

For this course we'll be using the exhilarating netTerrain_Programming_Guide_8.1.

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Course Syllabus

Day	Chapter Title	Topic
1	Introduction to the netTerrain API	API vs IT vs collector
		REST vs SOAP
		Overview of the netTerrain DB structure
		Setting up API access
	SOAP API classes and methods	Namespace
		Enumeration
		Errors
		Admin methods
		Catalog methods
		Diagram nethods
2		Instance methods
		Link methods
		Node methods
	REST interface	Setting up REST access
		Node and Link methods
		Catalog and Admin methods
		Other methods
		Properties
		Expansions
		Creating a REST client

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