

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.

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 methods		
		2	REST interface	Instance methods
				Link methods
				Node methods
				Setting up REST access
Node and Link methods				
Catalog and Admin methods				
Other methods				
Properties				
Expansions				
		Creating a REST client		