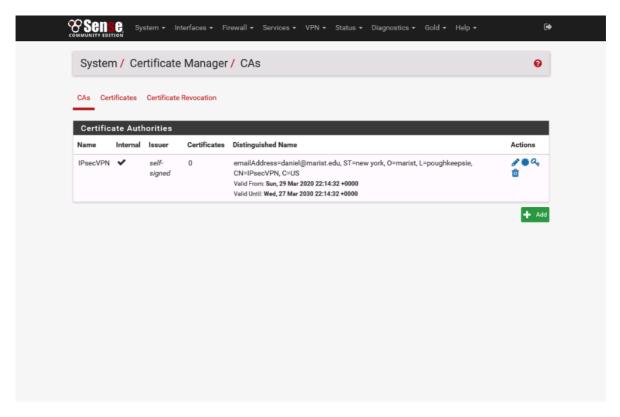


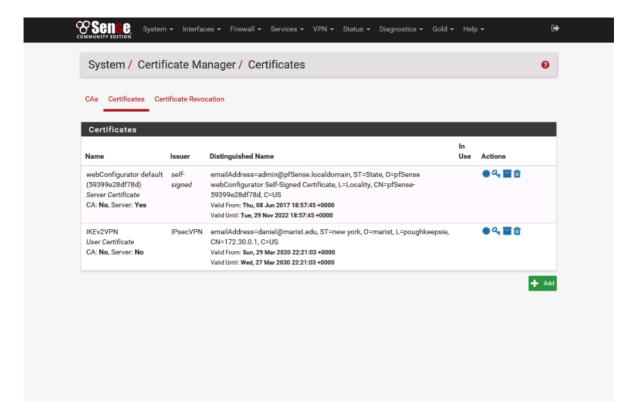
Authors: Daniel Gisolfi, James Ekstract

#### Section 1

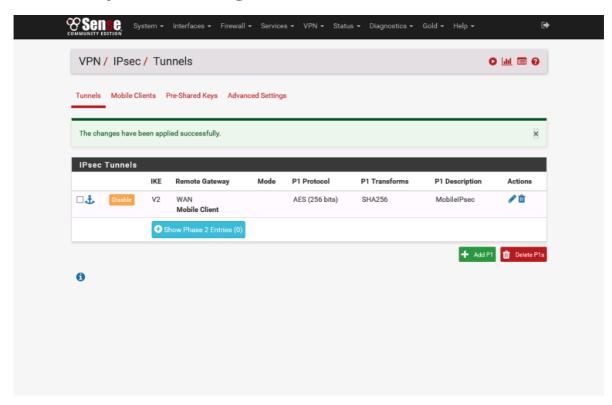
**Screen capture showing the resulting Certificate Authorities table** 



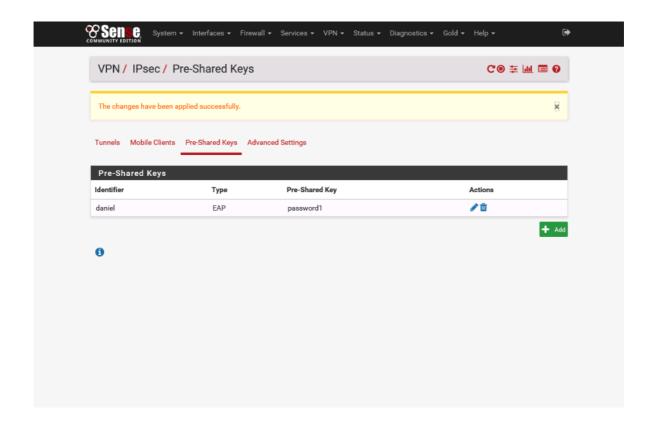
Screen capture showing the Certificates table



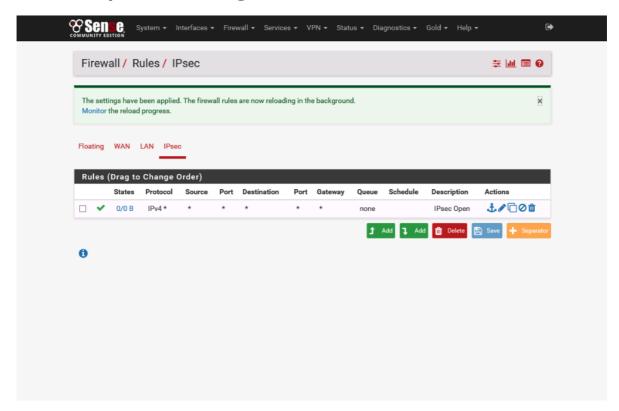
# Screen capture showing the IPsec Tunnels table



Screen capture showing the Pre-Shared Keys table



# screen capture showing the IPsec Rules table



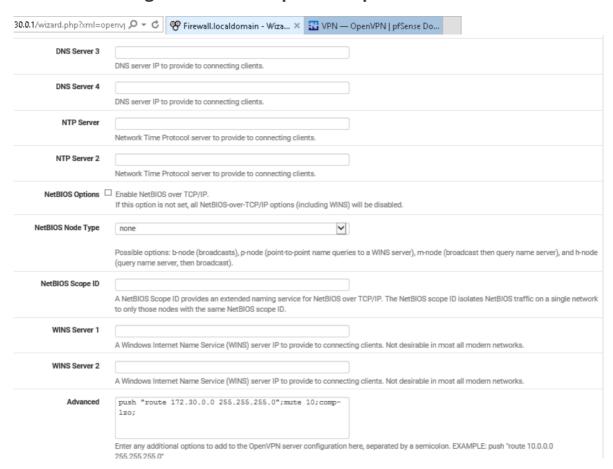
# **Section 2**

### Part 1

The CA configuration form displayed in pfSense

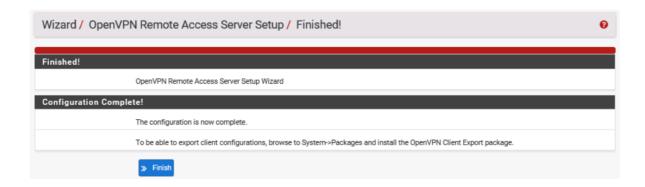
Create a New Certificate Authority (CA) Certificate	
Descriptive name	EkstractGisolfi_CA
	A name for administrative reference, to identify this certificate. This is the same as common-name field for other Certificates.
Key length	2048 bit
	Size of the key which will be generated. The larger the key, the more security it offers, but larger keys take considerably more time to generate, and take
	slightly longer to validate leading to a slight slowdown in setting up new sessions (not always noticeable). As of 2016, 2048 bit is the minimum and most common selection and 4096 is the maximum in common use. For more information see keylength.com
Lifetime	3650
	Lifetime in days. This is commonly set to 3650 (Approximately 10 years.)
Country Code	US
	Two-letter ISO country code (e.g. US, AU, CA)
State or Province	New York Rectangular Snip
	Full State or Province name, not abbreviated (e.g. Kentucky, Indiana, Ontario).
City	Poughkeepsie
	City or other Locality name (e.g. Louisville, Indianapolis, Toronto).
Organization	Marist College
	Organization name, often the Company or Group name.
E-mail	james.eksract1@marist.edu
	E-mail address for the Certificate contact. Often the e-mail of the person generating the certificate.

### The client settings section of the pfSense OpenVPN wizard

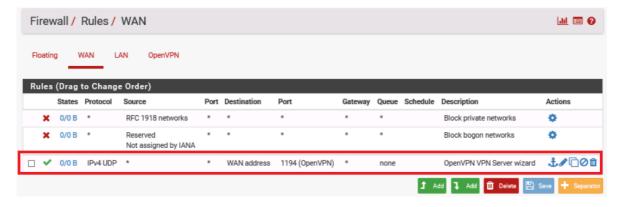


#### Part 2

The completed OpenVPN configuration



#### The OpenVPN rule on the WAN rules table



### The OpenVPN rule on the OpenVPN rules table

