#### to be used by random generator

# example:

200 to 2000

RAND\_REPLACE\_UNIQUE : <filename> : <symbol> : <LowerBound> : <UpperBound> Identical to RAND\_REPLACE, except randomly selected values are never resused within any given upper/lower bound range. This is intended for use on IP addresses, e.g., 198.18.1.WEB\_IP. It is suggested that random ranges be selected such that they do not intersect any non-random address allocations.

### HASH\_CREATE : <filename> : <string>

Create or overwrite a file with a hash of a given string and the lab instance seed.

# example:

A file named /home/ubuntu/myseed will be created (if it does not exist), containing an MD5 hash of the lab instance seed concatentated with the string 'bufferoverflowinstance'.

# HASH\_REPLACE : <filename> : <symbol> : <string>

Replace a symbol in a named file with a MD5 hash of a given string concatenated with the lab instance seed.

where: <filename> - the file name (file must exist) where <symbol> is
to be replaced. The file name is prefixed
with a container name and a ":", (the container
name is optional for single-container labs).
This may be a list of files, delimited by semicolons.

<symbol> - a string that will be replaced by the hash

<string> - a string contatenated with the lab instance seed and hashed

## example:

some\_parameter\_id HASH\_REPLACE : client:/root/.secret :