

Hashes

This page details the hashing functions for blib.

MiniHash

The Blib MiniHash is not cryptographically secure, but is a fast way to evaluate two arbitrary values where small collision chances are possible. Ideally, this can be used when searching for a string against a known string hash.

Methods

void blibMiniHashInit(DWORD seed)

Required function to initialise the blibMiniHash function with a seed `seed`.

DWORD blibMiniHash(PBYTE cstring)

This function is dangerous. It assumes that there is a C-styled string with a guard nullbyte.

This function returns a `DWORD` using the following function:

```
DWORD blibMiniHash(PBYTE cstring){
    int index = 0;
    long returnValue = BLIB_MINIHASH_SEED;
    while(cstring[index] != '\0' && cstring[index] != '\n'){
        returnValue += (index * cstring[index]);
        index++;
    }
    return returnValue;
}
```

This function should be used only to validate that two things are 'similar' where exactness is not required. There is a low memory cost to using this.

DWORD blibMiniHashString(String* stirng)

This function performs the blibMiniHash using the seeded value.

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