



```
GpgFrontend::ChannelObject
- channel_
- _default_channel
+ ChannelObject()
+ ChannelObject()
+ GetChannel()
+ SetChannel()
+ GetDefaultChannel()
```

```
GpgFrontend::SingletonFunction
Object< T >
+ SingletonFunctionObject()
+ operator=()
+ GetChannel()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::SingletonFunction
Object< GpgUIDOperator >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgUIDOperator
- ctx_
+ GpgUIDOperator()
+ AddUID()
+ AddUID()
+ RevUID()
+ SetPrimaryUID()
```

```
GpgFrontend::SingletonFunction
Object< GpgKeyManager >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgKeyManager
- ctx_
+ GpgKeyManager()
+ SignKey()
+ RevSign()
+ SetExpire()
```

```
GpgFrontend::SingletonFunction
Object< TaskRunnerGetter >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::Thread
::TaskRunnerGetter
- task_runners_
+ TaskRunnerGetter()
+ GetTaskRunner()
```

```
GpgFrontend::SingletonFunction
Object< GpgKeyImportExporter >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgKeyImport
Exporter
- ctx_
+ GpgKeyImportExporter()
+ ImportKey()
+ ExportKeys()
+ ExportKeys()
+ SetExpire()
+ ModifyPassword()
+ ModifyTOFUPolicy()
+ GenerateKey()
+ ExportKeyOpenSSH()
+ ExportSecretKey()
+ ExportSecretKeyShortest()
```

```
GpgFrontend::SingletonFunction
Object< GpgCommandExecutor >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgCommandExecutor
- ctx_
+ GpgCommandExecutor()
+ Execute()
+ ExecuteConcurrently()
```

```
GpgFrontend::SingletonFunction
Object< GpgKeyOpera >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgKeyOpera
- ctx_
+ GpgKeyOpera()
+ DeleteKeys()
+ DeleteKey()
+ SetExpire()
+ ModifyPassword()
+ ModifyTOFUPolicy()
+ GenerateKey()
+ GenerateSubkey()
+ GenerateRevokeCert()
```

```
GpgFrontend::SingletonFunction
Object< GpgFileOpera >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgFileOpera
+ GpgFileOpera()
+ EncryptFile()
+ EncryptFileSymmetric()
+ DecryptFile()
+ SignFile()
+ VerifyFile()
+ EncryptSignFile()
+ DecryptVerifyFile()
+ get_key_in_cache()
```

```
GpgFrontend::SingletonFunction
Object< GpgKeyGetter >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgKeyGetter
- ctx_
- ctx_mutex_
- keys_cache_
- keys_cache_mutex_
+ GpgKeyGetter()
+ GetKeys()
+ GetPubkey()
+ FetchKey()
+ FlushKeyCache()
+ GetKeysCopy()
+ GetKeysCopy()
- get_key_in_cache()
```

```
GpgFrontend::SingletonFunction
Object< GpgBasicOperator >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgBasicOperator
- ctx_
+ GpgBasicOperator()
+ Encrypt()
+ EncryptSymmetric()
+ EncryptSign()
+ Decrypt()
+ DecryptVerify()
+ Verify()
+ Sign()
+ SetSigners()
+ GetSigners()
```

```
GpgFrontend::SingletonFunction
Object< GpgAdvancedOperator >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgAdvanced
Operator
- ctx_
+ GpgAdvancedOperator()
+ ClearGpgPasswordCache()
+ ReloadGpgComponents()
+ RestartGpgComponents()
+ ResetConfigures()
+ StartGpgAgent()
+ StartDimngr()
+ StartKeyBoxd()
```

```
GpgFrontend::SingletonFunction
Object< GlobalSettingStation >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GlobalSetting
Station
- app_path_
- app_data_path_
- app_log_path_
- app_data_objs_path_
- app_resource_path_
- app_locale_path_
- app_configure_path_
- ui_config_dir_path_
- ui_config_path_
- ui_cfg_
+ GlobalSettingStation()
+ ~GlobalSettingStation()
+ GetUISettings()
+ GetAppDir()
+ GetAppDataPath()
+ GetLogDir()
+ GetStandaloneDatabaseDir()
+ GetAppConfigPath()
+ GetStandaloneGpgBinDir()
+ GetLocaleDir()
+ GetResourceDir()
+ GetCertsDir()
+ SyncSettings()
- init_app_secure_key()
```

```
GpgFrontend::SingletonFunction
Object< DataObjectOperator >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::DataObjectOperator
- global_setting_station_
- app_secure_path_
- app_secure_key_path_
- app_data_objs_path_
- rd_
- mt_
- hash_key_
+ DataObjectOperator()
+ SaveDataObj()
+ GetDataObject()
+ GetDataObjectByRef()
- init_app_secure_key()
```

```
GpgFrontend::SingletonFunction
Object< PassphraseGenerator >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::PassphraseGenerator
+ rd_
+ mt_
+ PassphraseGenerator()
+ Generate()
```

```
GpgFrontend::SingletonFunction
Object< GpgContext >
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ SingletonFunctionObject()
+ operator=()
+ operator=()
+ operator=()
+ GetChannel()
+ GetInstance()
+ CreateInstance()
+ ReleaseChannel()
+ GetDefaultChannel()
+ GetAllChannelId()
# SingletonFunctionObject()
# SingletonFunctionObject()
# ~SingletonFunctionObject()
```

```
GpgFrontend::GpgContext
- info_
- args_
- extend_info_loaded_
- preload_lock_
- ctx_ref_
- good_
+ GpgContext()
+ GpgContext()
+ ~GpgContext()
+ good()
+ GetInfo()
+ operator gpgme_ctx_t()
+ SetPassphraseCb()
+ test_passphrase_cb()
+ custom_passphrase_cb()
+ test_status_cb()
- post_init_ctx()
- need_user_input_passphrase()
- check_binary_checksum()
```