



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```
GpgFrontend::Thread::TaskRunnerGetter
- task_runners_
- task_runners_map_lock_
+ TaskRunnerGetter()
+ GetTaskRunner()
+ StopAllTaskRunner()
+ UpsertRTValue()
+ RetrieveRTValue()
+ ListenRTPublish()
+ ListRTChildKeys()
```

```
GpgFrontend::Module::ModuleManager
- p_
+ ModuleManager()
+ ~ModuleManager()
+ RegisterModule()
+ IsModuleActivated()
+ TriggerEvent()
+ ActiveModule()
+ DeactiveModule()
+ GetTaskRunner()
+ UpsertRTValue()
+ RetrieveRTValue()
+ ListenRTPublish()
+ ListRTChildKeys()
```

```
GpgFrontend::GpgKeyImportExporter
- ctx_
+ GpgKeyImportExporter()
+ ImportKey()
+ ExportKey()
+ ExportKeys()
+ ExportAllKeys()
```

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

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

```
GpgFrontend::GpgFileOpera
- ctx_
+ GpgFileOpera()
+ EncryptFile()
+ EncryptFileSync()
+ EncryptDirectory()
+ EncryptFileSymmetric()
+ EncryptFileSymmetricSync()
+ EncryptDerectorySymmetric()
+ EncryptDerectorySymmetricSync()
+ DecryptFile()
+ DecryptFileSync()
+ and 11 more...
```

```
GpgFrontend::GpgKeyGetter
- p_
+ GpgKeyGetter()
+ GpgKeyGetter()
+ GetKey()
+ GetPubkey()
+ FetchKey()
+ FlushKeyCache()
+ GetKeys()
+ GetKeysCopy()
```

```
GpgFrontend::CacheManager
- p_
+ CacheManager()
+ ~CacheManager()
+ SaveCache()
+ SaveDurableCache()
+ LoadCache()
+ LoadDurableCache()
+ ResetCache()
+ ResetDurableCache()
```

```
GpgFrontend::LoggerManager
- logger_map_
- default_log_level_
- default_logger_
+ LoggerManager()
+ ~LoggerManager()
+ RegisterAsyncLogger()
+ RegisterSyncLogger()
+ GetLogger()
+ ResetCache()
+ SetDefaultLogLevel()
```

```
GpgFrontend::GpgBasicOperator
- ctx_
+ GpgBasicOperator()
+ Encrypt()
+ EncryptSync()
+ EncryptSymmetric()
+ EncryptSymmetricSync()
+ EncryptSign()
+ EncryptSignSync()
+ Decrypt()
+ GetKeysCopy()
+ DecryptVerify()
+ and 7 more...
```

```
GpgFrontend::GlobalSettingStation
- p_
+ GlobalSettingStation()
+ ~GlobalSettingStation()
+ GetSettings()
+ GetAppDir()
+ GetAppDataPath()
+ GetLogDir()
+ GetLogFilesSize()
+ GetDataObjectsFilesSize()
+ ClearAllLogFiles()
+ ClearAllDataObjects()
```

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

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

```
GpgFrontend::GpgContext
- p_
+ GpgContext()
+ GpgContext()
+ ~GpgContext()
+ Good()
+ BinaryContext()
+ DefaultContext()
```