AF library

Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

Chapter 5

Namespace Documentation

5.1 AFaccount Namespace Reference

Classes

- class Account
- class Group
- class Info
- class Storage

> The *AFaccount::Storage* class we load all possible account, and take it on RAM, so we can access to them always in any time, but we need to make shorten every object that we have and it give us speed when we parse this list.

Typedefs

- typedef QSharedPointer< Account > AccountPtr
- typedef std::vector< AccountPtr > AccountPtrV
- typedef QSharedPointer< Group > GroupPtr
- typedef std::vector< GroupPtr > GroupPtrV
- typedef QSharedPointer< Info > InfoPtr
- typedef QList< InfoPtr > InfoPtrList
- typedef QSharedPointer< Storage > StoragePtr

Enumerations

- enum AccessType

Functions

- AccountPtr own ()
- AccessType toAccessType (const quint8 i)
- quint8 fromAccessType (AccessType type)
- StoragePtr storage (QObject ∗parent=nullptr)
- AccountPtr user (QObject ∗parent=nullptr)

5.1.1 Typedef Documentation

5.1.1.1 AccountPtr

typedef QSharedPointer<Account> AFaccount::AccountPtr

Definition at line 14 of file afAccount.h.

5.1.1.2 AccountPtrV

typedef std::vector<AccountPtr> AFaccount::AccountPtrV

Definition at line 16 of file afAccount.h.

5.1.1.3 GroupPtr

typedef QSharedPointer<Group> AFaccount::GroupPtr

Definition at line 12 of file afAccountGroup.h.

5.1.1.4 GroupPtrV

typedef std::vector<GroupPtr> AFaccount::GroupPtrV

Definition at line 14 of file afAccountGroup.h.

5.1.1.5 InfoPtr

typedef QSharedPointer<Info> AFaccount::InfoPtr

Definition at line 13 of file afAccountInfo.h.

5.1.1.6 InfoPtrList

typedef QList<InfoPtr> AFaccount::InfoPtrList

Definition at line 15 of file afAccountInfo.h.

5.1.1.7 StoragePtr

typedef QSharedPointer<Storage> AFaccount::StoragePtr

Definition at line 7 of file afAccountStorage.h.

5.1.2 Enumeration Type Documentation

5.1.2.1 AccessType

enum AFaccount::AccessType [strong]

Enumerator

Owner	
Moderator	
Creator	
User	
Default	
First	

Definition at line 16 of file afAccountGroup.h.

5.1.3 Function Documentation

5.1.3.1 fromAccessType()

quint8 AFaccount::fromAccessType (
            AccessType *type*)

Definition at line 101 of file afAccountGroup.cpp.

5.1.3.2 own()

AFaccount::AccountPtr AFaccount::own ( )

Definition at line 36 of file afAccount.cpp.

5.1.3.3 storage()

AFaccount::StoragePtr AFaccount::storage (
            QObject * *parent = nullptr*)

Definition at line 265 of file afAccountStorage.cpp.

5.1.3.4 toAccessType()

AccessType AFaccount::toAccessType (
            const quint8 *i*)

Definition at line 96 of file afAccountGroup.cpp.

5.1.3.5 user()

AFaccount::AccountPtr AFaccount::user (
            QObject * *parent = nullptr*)

Definition at line 273 of file afAccountStorage.cpp.

5.2 AFlib Namespace Reference

Namespaces

- id
- transfer

Classes

- class API
- class Dir
- class File
- class Function
- class ServerSetting
- class Setting
- class Storage
- class System

Typedefs

- typedef QSharedPointer< API > ApiPtr
- typedef QList< ApiPtr > ApiPtrList
- typedef QSharedPointer< Dir > DirPtr
- typedef HistoryIdType HIdType
- typedef SavedIdType SIdType
- typedef id::Account_bit IdAccount_bit
- typedef id::History IdHistory
- typedef id::HistoryPtr IdHistoryPtr
- typedef id::Global_bit IdGlobal_bit
- typedef id::Object IdObject
- typedef id::ObjectTemplate IdObjectTemplate
- typedef id::Object_bit IdObject_bit
- typedef id::ObjectPtr IdObjectPtr
- typedef id::ObjectPtrV IdObjectPtrV
- typedef id::Operate IdOperate
- typedef id::OperatePtr IdOperatePtr
- typedef id::OperatePtrList IdOperatePtrList
- typedef transfer::Send TransferOperateSendList
- typedef QSharedPointer< ServerSetting > ServerSettingPtr
- typedef QSharedPointer< Setting > SettingPtr
- typedef QSharedPointer< Storage > StoragePtr

Enumerations

- enum RequestType
- enum RequestStatus
- enum Schedule
- enum Continent

    The Continent enum.
- enum FileType

    Id`s enum list ---.
- enum HistoryIdType
- enum SavedIdType
- enum AccountIdType
- enum Attribute
- enum Compress

Functions

- QDataStream & operator<< (QDataStream &d, const AFlib::RequestType &type)
- QDataStream & operator>> (QDataStream &d, AFlib::RequestType &type)
- QString getServerKey (const RequestType type, bool isData=false)
- QUrl getServerLink (const RequestType type, bool isData=false)
- ApiPtr api ()
- DirPtr afDir ()
- HistoryIdType toHistoryIdType (const quint8 i)
- quint8 fromHisToInt (HistoryIdType type)
- bool isHIdEnable (HistoryIdType type)
- std::string historyToString (HistoryIdType type)
- std::string historyToString (quint8 type)

- SavedIdType toSavedIdType (const quint8 i)
- quint8 fromSaveToInt (SavedIdType type)
- std::string saveTypeToString (SavedIdType type)
- std::string saveTypeToString (quint8 type)
- AccountIdType toAccountIdType (const quint8 i)
- quint8 fromAccountIdType (AccountIdType type)
- ServerSettingPtr afServerSettings (QObject *parent=nullptr)
- StoragePtr afStorage ()

5.2.1 Typedef Documentation

5.2.1.1 ApiPtr

```
typedef QSharedPointer<API> AFlib::ApiPtr
```

Definition at line 11 of file afAPI.h.

5.2.1.2 ApiPtrList

```
typedef QList<ApiPtr> AFlib::ApiPtrList
```

Definition at line 13 of file afAPI.h.

5.2.1.3 DirPtr

```
typedef QSharedPointer<Dir> AFlib::DirPtr
```

Definition at line 10 of file afDir.h.

5.2.1.4 HIdType

```
typedef HistoryIdType AFlib::HIdType
```

Definition at line 56 of file afEnum.h.

5.2.1.5 IdAccount_bit

typedef id::Account_bit AFlib::IdAccount_bit

Definition at line 14 of file afId.h.

5.2.1.6 IdGlobal_bit

typedef id::Global_bit AFlib::IdGlobal_bit

Definition at line 19 of file afId.h.

5.2.1.7 IdHistory

typedef id::History AFlib::IdHistory

Definition at line 16 of file afId.h.

5.2.1.8 IdHistoryPtr

typedef id::HistoryPtr AFlib::IdHistoryPtr

Definition at line 17 of file afId.h.

5.2.1.9 IdObject

typedef id::Object AFlib::IdObject

Definition at line 20 of file afId.h.

5.2.1.10 IdObject_bit

typedef id::Object_bit AFlib::IdObject_bit

Definition at line 22 of file afId.h.

5.2.1.11 IdObjectPtr

typedef id::ObjectPtr AFlib::IdObjectPtr

Definition at line 23 of file afId.h.

5.2.1.12 IdObjectPtrV

typedef id::ObjectPtrV AFlib::IdObjectPtrV

Definition at line 24 of file afId.h.

5.2.1.13 IdObjectTemplate

typedef id::ObjectTemplate AFlib::IdObjectTemplate

Definition at line 21 of file afId.h.

5.2.1.14 IdOperate

typedef id::Operate AFlib::IdOperate

Definition at line 26 of file afId.h.

5.2.1.15 IdOperatePtr

typedef id::OperatePtr AFlib::IdOperatePtr

Definition at line 27 of file afId.h.

5.2.1.16 IdOperatePtrList

typedef id::OperatePtrList AFlib::IdOperatePtrList

Definition at line 28 of file afId.h.

5.2.1.17 ServerSettingPtr

typedef QSharedPointer<ServerSetting> AFlib::ServerSettingPtr

Definition at line 11 of file afServerSettings.h.

5.2.1.18 SettingPtr

typedef QSharedPointer<Setting> AFlib::SettingPtr

Definition at line 7 of file afSetting.h.

5.2.1.19 SIdType

typedef SavedIdType AFlib::SIdType

Definition at line 71 of file afEnum.h.

5.2.1.20 StoragePtr

typedef QSharedPointer<Storage> AFlib::StoragePtr

Definition at line 10 of file afStorage.h.

5.2.1.21 TransferOperateSendList

typedef transfer::Send AFlib::TransferOperateSendList

Definition at line 30 of file afId.h.

5.2.2 Enumeration Type Documentation

5.2.2.1 AccountIdType

enum AFlib::AccountIdType [strong]

Account id type enum

default AccountIdType::LocalUser

Enumerator

LocalUser	User, that not accept from server yet, can't send information to global server.
LocalOrganization	Local organization, use only on current device.
GlobalUser	User, that registrate on server.
GlobalOrganization	Organization, registrate on server, always have owner user.
User	User enum, unite both LocalUser and GlobalUser.
Organization	Organization enum, unite LocalOrganization and GlobalOrganization.
Local	Use for show that enum is local.
Global	Use for Global enum.
First	

Definition at line 77 of file afEnum.h.

5.2.2.2 Attribute

enum AFlib::Attribute [strong]

Enumerator

None	
Name	
Created	
Description	
Date	
Time	
LocalId	
Parent	
Email	
Login	
Icon	
Password	
UserList	
GroupMembers	List of members in Group.
FriendList	
GroupList	

Definition at line 8 of file afIdHistory.h.

5.2.2.3 Compress

enum AFlib::Compress [strong]

Enumerator

Shortest	
AllActive	
EachByOne	
Full	

Definition at line 29 of file afIdHistory.h.

5.2.2.4 Continent

enum AFlib::Continent [strong]

The Continent enum.

Enumerator

Europe	
Africa	
North_America	
South_America	
Oceania	
East_Asia	
West_Asia	
None	

Definition at line 22 of file afEnum.h.

5.2.2.5 FileType

enum AFlib::FileType [strong]

Id`s enum list ---—.

Enumerator

Data	
Account	
Config	
Setting	
Json	

Definition at line 36 of file afEnum.h.

5.2.2.6 HistoryIdType

enum AFlib::HistoryIdType [strong]

Enumerator

AddLine	
EditLine	
RemoveLine	
SavedChangeLine	
InnactivateLine	
ActivateLine	
First	

Definition at line 44 of file afEnum.h.

5.2.2.7 RequestStatus

enum AFlib::RequestStatus [strong]

Enumerator

None	
Send	
False	
True	

Definition at line 29 of file afAPI.h.

5.2.2.8 RequestType

enum AFlib::RequestType [strong]

Enumerator

Login	
Registrate	
RemindMyLogin	
RemindMyPassword	
Ping	
UpdateAfObjects	
AddAccount	
AddAccountById	

Definition at line 15 of file afAPI.h.

5.2.2.9 SavedIdType

`enum AFlib::SavedIdType [strong]`

Enumerator

Temporary	
Local	
OnTheWayToServer	
OnServer	
First	

Definition at line 61 of file afEnum.h.

5.2.2.10 Schedule

`enum AFlib::Schedule [strong]`

Enumerator

Once	
Daily	
Weekly	
Monthly	
Yearly	
Periodical	
OnRequest	

Definition at line 11 of file afEnum.h.

5.2.3 Function Documentation

5.2.3.1 afDir()

`DirPtr AFlib::afDir ( )`

Definition at line 238 of file afDir.cpp.

5.2.3.2 afServerSettings()

AFlib::ServerSettingPtr AFlib::afServerSettings (
            QObject * *parent* = *nullptr*)

Definition at line 30 of file afServerSettings.cpp.

5.2.3.3 afStorage()

StoragePtr AFlib::afStorage ( )

Definition at line 23 of file afStorage.cpp.

5.2.3.4 api()

AFlib::ApiPtr AFlib::api ( )

Definition at line 199 of file afAPI.cpp.

5.2.3.5 fromAccountIdType()

quint8 AFlib::fromAccountIdType (
            AFlib::AccountIdType *type*)

Definition at line 68 of file afEnum.cpp.

5.2.3.6 fromHisToInt()

quint8 AFlib::fromHisToInt (
            AFlib::HistoryIdType *type*)

Definition at line 31 of file afEnum.cpp.

5.2.3.7 fromSaveToInt()

quint8 AFlib::fromSaveToInt (
            AFlib::SavedIdType *type*)

Definition at line 36 of file afEnum.cpp.

5.2.3.8 getServerKey()

```
QString AFlib::getServerKey (
            const RequestType type,
            bool isData = false )
```

Definition at line 208 of file afAPI.cpp.

5.2.3.9 getServerLink()

```
QUrl AFlib::getServerLink (
            const RequestType type,
            bool isData = false )
```

Definition at line 226 of file afAPI.cpp.

5.2.3.10 historyToString() **[1/2]**

```
std::string AFlib::historyToString (
            AFlib::HistoryIdType type )
```

Definition at line 98 of file afEnum.cpp.

5.2.3.11 historyToString() **[2/2]**

```
std::string AFlib::historyToString (
            quint8 type )
```

Definition at line 112 of file afEnum.cpp.

5.2.3.12 isHIdEnable()

```
bool AFlib::isHIdEnable (
            AFlib::HistoryIdType type )
```

Definition at line 41 of file afEnum.cpp.

5.2.3.13 operator$<<$()

```
QDataStream & AFlib::operator<< (
            QDataStream & d,
            const AFlib::RequestType & type )
```

Definition at line 239 of file afAPI.cpp.

5.2.3.14 operator$>>$()

```
QDataStream & AFlib::operator>> (
            QDataStream & d,
            AFlib::RequestType & type )
```

Definition at line 244 of file afAPI.cpp.

5.2.3.15 saveTypeToString() [1/2]

```
std::string AFlib::saveTypeToString (
            quint8 type )
```

Definition at line 117 of file afEnum.cpp.

5.2.3.16 saveTypeToString() [2/2]

```
std::string AFlib::saveTypeToString (
            AFlib::SavedIdType type )
```

Definition at line 86 of file afEnum.cpp.

5.2.3.17 toAccountIdType()

```
AFlib::AccountIdType AFlib::toAccountIdType (
            const quint8 i )
```

Definition at line 63 of file afEnum.cpp.

5.2.3.18 toHistoryIdType()

```
AFlib::HistoryIdType AFlib::toHistoryIdType (
            const quint8 i )
```

Definition at line 3 of file afEnum.cpp.

5.2.3.19 toSavedIdType()

```
AFlib::SavedIdType AFlib::toSavedIdType (
            const quint8 i )
```

Definition at line 8 of file afEnum.cpp.

5.3 AFlib::id Namespace Reference

Classes

- struct Account_bit
- struct Global_bit
- class History
- class Object
- struct Object_bit
    - *The Function class.*
- class ObjectTemplate
- class Operate
- struct Operate_bit
- struct TbitStruct

Typedefs

- typedef Account_bit Acc_bit
- typedef QList< Account_bit > AccList_b
- typedef QList< Global_bit > GlobalList_bit
- typedef QSharedPointer< History > HistoryPtr
- typedef QSharedPointer< Object > ObjectPtr
- typedef std::vector< ObjectPtr > ObjectPtrV
- typedef Object_bit Obj_bit
- typedef QSharedPointer< Operate > OperatePtr
- typedef QVector< OperatePtr > OperatePtrList

Functions

- QDataStream & operator<< (QDataStream &s, const Global_bit &id)
- QDataStream & operator>> (QDataStream &s, Global_bit &id)
- QDataStream & operator<< (QDataStream &stream, const History &data)
- QDataStream & operator>> (QDataStream &stream, History &data)
- QDataStream & operator<< (QDataStream &stream, const AFlib::id::Object &data)
- QDataStream & operator>> (QDataStream &stream, AFlib::id::Object &data)

5.3.1 Typedef Documentation

5.3.1.1 Acc_bit

typedef Account_bit AFlib::id::Acc_bit

Definition at line 8 of file afIdAccount.h.

5.3.1.2 AccList_b

typedef QList<Account_bit> AFlib::id::AccList_b

Definition at line 10 of file afIdAccount.h.

5.3.1.3 GlobalList_bit

typedef QList<Global_bit> AFlib::id::GlobalList_bit

Definition at line 12 of file afIdGlobalBit.h.

5.3.1.4 HistoryPtr

typedef QSharedPointer<History> AFlib::id::HistoryPtr

Definition at line 38 of file afIdHistory.h.

5.3.1.5 Obj_bit

typedef Object_bit AFlib::id::Obj_bit

Definition at line 14 of file afIdObjectBit.h.

5.3.1.6 ObjectPtr

```
typedef QSharedPointer<Object> AFlib::id::ObjectPtr
```

Definition at line 9 of file afIdObject.h.

5.3.1.7 ObjectPtrV

```
typedef std::vector<ObjectPtr> AFlib::id::ObjectPtrV
```

Definition at line 12 of file afIdObject.h.

5.3.1.8 OperatePtr

```
typedef QSharedPointer<Operate> AFlib::id::OperatePtr
```

Definition at line 16 of file afIdOperate.h.

5.3.1.9 OperatePtrList

```
typedef QVector<OperatePtr> AFlib::id::OperatePtrList
```

Definition at line 19 of file afIdOperate.h.

5.3.2 Function Documentation

5.3.2.1 operator<<**()** **[1/3]**

```
QDataStream& AFlib::id::operator<< (
            QDataStream & s,
            const Global_bit & id )
```

Definition at line 22 of file afIdGlobalBit.cpp.

5.3.2.2 operator$<<$**()** **[2/3]**

```
QDataStream& AFlib::id::operator<< (
            QDataStream & stream,
            const AFlib::id::Object & data )
```

Definition at line 163 of file afIdObject.cpp.

5.3.2.3 operator$<<$**()** **[3/3]**

```
QDataStream& AFlib::id::operator<< (
            QDataStream & stream,
            const History & data )
```

Definition at line 367 of file afIdHistory.cpp.

5.3.2.4 operator$>>$**()** **[1/3]**

```
QDataStream& AFlib::id::operator>> (
            QDataStream & s,
            Global_bit & id )
```

Definition at line 27 of file afIdGlobalBit.cpp.

5.3.2.5 operator$>>$**()** **[2/3]**

```
QDataStream& AFlib::id::operator>> (
            QDataStream & stream,
            AFlib::id::Object & data )
```

Definition at line 176 of file afIdObject.cpp.

5.3.2.6 operator$>>$**()** **[3/3]**

```
QDataStream& AFlib::id::operator>> (
            QDataStream & stream,
            History & data )
```

Definition at line 372 of file afIdHistory.cpp.

5.4 AFlib::transfer Namespace Reference

Namespaces

- answer
- send

Classes

- class Answer
- class Send

5.5 AFlib::transfer::answer Namespace Reference

Classes

- struct DPathObjectList
- struct Object

Functions

- QDataStream & operator<< (QDataStream &stream, const AFlib::transfer::answer::Object &data)
- QDataStream & operator>> (QDataStream &stream, AFlib::transfer::answer::Object &data)
- QDataStream & operator<< (QDataStream &stream, const AFlib::transfer::answer::DPathObjectList &data)
- QDataStream & operator>> (QDataStream &stream, AFlib::transfer::answer::DPathObjectList &data)

5.5.1 Function Documentation

5.5.1.1 operator<<() [1/2]

```
QDataStream& AFlib::transfer::answer::operator<< (
          QDataStream & stream,
          const AFlib::transfer::answer::DPathObjectList & data )
```

Definition at line 42 of file afTransferOperateList.cpp.

5.5.1.2 operator<<() [2/2]

```
QDataStream& AFlib::transfer::answer::operator<< (
          QDataStream & stream,
          const AFlib::transfer::answer::Object & data )
```

Definition at line 32 of file afTransferOperateList.cpp.

5.5.1.3 operator>>() [1/2]

```
QDataStream& AFlib::transfer::answer::operator>> (
            QDataStream & stream,
            AFlib::transfer::answer::DPathObjectList & data )
```

Definition at line 47 of file afTransferOperateList.cpp.

5.5.1.4 operator>>() [2/2]

```
QDataStream& AFlib::transfer::answer::operator>> (
            QDataStream & stream,
            AFlib::transfer::answer::Object & data )
```

Definition at line 37 of file afTransferOperateList.cpp.

5.6 AFlib::transfer::send Namespace Reference

Classes

- struct Objects
- struct Operates

Functions

- QDataStream & operator>> (QDataStream &stream, Objects &data)
- QDataStream & operator<< (QDataStream &stream, Objects &data)
- QDataStream & operator<< (QDataStream &stream, const AFlib::transfer::send::Operates &data)
- QDataStream & operator>> (QDataStream &stream, AFlib::transfer::send::Operates &data)

5.6.1 Function Documentation

5.6.1.1 operator<<() [1/2]

```
QDataStream& AFlib::transfer::send::operator<< (
            QDataStream & stream,
            const AFlib::transfer::send::Operates & data )
```

Definition at line 181 of file afTransferOperateList.cpp.

5.6.1.2 operator$<<$**() [2/2]**

```
QDataStream& AFlib::transfer::send::operator<< (
            QDataStream & stream,
            Objects & data )
```

Definition at line 173 of file afTransferOperateList.cpp.

5.6.1.3 operator$>>$**() [1/2]**

```
QDataStream& AFlib::transfer::send::operator>> (
            QDataStream & stream,
            AFlib::transfer::send::Operates & data )
```

Definition at line 186 of file afTransferOperateList.cpp.

5.6.1.4 operator$>>$**() [2/2]**

```
QDataStream& AFlib::transfer::send::operator>> (
            QDataStream & stream,
            Objects & data )
```

Definition at line 162 of file afTransferOperateList.cpp.

5.7 AFquick Namespace Reference

Classes

- class GuiApplication
- class GuiPlugin
- class GuiSize
- class MenuModel
- struct MenuSingle

Typedefs

- typedef QSharedPointer< GuiPlugin > GuiPluginPtr
- typedef QSharedPointer< GuiSize > GuiSizePtr

Functions

- GuiSizePtr guiSize ()

5.7.1 Typedef Documentation

5.7.1.1 GuiPluginPtr

typedef QSharedPointer<GuiPlugin> AFquick::GuiPluginPtr

Definition at line 10 of file guiPlugin.h.

5.7.1.2 GuiSizePtr

typedef QSharedPointer<GuiSize> AFquick::GuiSizePtr

Definition at line 9 of file guiSize.h.

5.7.2 Function Documentation

5.7.2.1 guiSize()

AFquick::GuiSizePtr AFquick::guiSize ( )

Definition at line 57 of file guiSize.cpp.

Chapter 6

Class Documentation

6.1 AFaccount::Account Class Reference

```
#include <afAccount.h>
```

Inheritance diagram for AFaccount::Account:
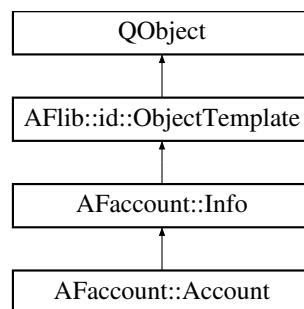
Public Slots

- void setLogin (QString login)

Public Member Functions

- Account (QObject ∗parent=nullptr)
- Account (AFlib::IdObjectPtr ptr, QObject ∗parent=nullptr)
- Account (const QByteArray &data, QObject ∗parent=nullptr)
- bool check (QString password) const
- virtual QString login () const final
- operator QJsonObject () const
- virtual QJsonObject toJson () const override
- QByteArray toByteArray () const
- void reset ()
- AFlib::id::AccList_b friendList () const
- AFlib::id::AccList_b groupList () const

Private Member Functions

- virtual QString passwordHash () const final
- void addAccount (AFlib::IdObjectPtr account)
- void removeAccount (AFlib::IdObjectPtr account)
- void addGroup (AFlib::IdObjectPtr account)
- void removeGroup (AFlib::IdObjectPtr account)

Friends

- class Storage
- class AFlib::API

Additional Inherited Members

6.1.1 Detailed Description

Definition at line 25 of file afAccount.h.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 Account() [1/3]

```
AFaccount::Account::Account (
            QObject * parent = nullptr ) [explicit]
```

Definition at line 21 of file afAccount.cpp.

6.1.2.2 Account() [2/3]

```
AFaccount::Account::Account (
            AFlib::IdObjectPtr ptr,
            QObject * parent = nullptr )
```

Definition at line 8 of file afAccount.cpp.

6.1.2.3 Account() [3/3]

```
AFaccount::Account::Account (
            const QByteArray & data,
            QObject * parent = nullptr )
```

Definition at line 14 of file afAccount.cpp.

6.1.3 Member Function Documentation

6.1.3.1 addAccount()

```
void AFaccount::Account::addAccount (
            AFlib::IdObjectPtr account ) [private]
```

Definition at line 61 of file afAccount.cpp.

6.1.3.2 addGroup()

```
void AFaccount::Account::addGroup (
            AFlib::IdObjectPtr account ) [private]
```

Definition at line 73 of file afAccount.cpp.

6.1.3.3 check()

```
bool AFaccount::Account::check (
            QString password ) const
```

Definition at line 45 of file afAccount.cpp.

6.1.3.4 friendList()

```
AFlib::id::AccList_b AFaccount::Account::friendList ( ) const
```

Definition at line 116 of file afAccount.cpp.

6.1.3.5 groupList()

```
AFlib::id::AccList_b AFaccount::Account::groupList ( ) const
```

Definition at line 124 of file afAccount.cpp.

6.1.3.6 login()

```
QString AFaccount::Account::login ( ) const  [final], [virtual]
```

Definition at line 85 of file afAccount.cpp.

6.1.3.7 operator QJsonObject()

```
AFaccount::Account::operator QJsonObject ( ) const
```

Definition at line 132 of file afAccount.cpp.

6.1.3.8 passwordHash()

```
QString AFaccount::Account::passwordHash ( ) const  [final], [private], [virtual]
```

Definition at line 56 of file afAccount.cpp.

6.1.3.9 removeAccount()

```
void AFaccount::Account::removeAccount (
            AFlib::IdObjectPtr account ) [private]
```

Definition at line 67 of file afAccount.cpp.

6.1.3.10 removeGroup()

```
void AFaccount::Account::removeGroup (
            AFlib::IdObjectPtr account ) [private]
```

Definition at line 79 of file afAccount.cpp.

6.1.3.11 reset()

```
void AFaccount::Account::reset ( )
```

Definition at line 111 of file afAccount.cpp.

6.1.3.12 setLogin

```
void AFaccount::Account::setLogin (
              QString login ) [slot]
```

Definition at line 137 of file afAccount.cpp.

6.1.3.13 toByteArray()

```
QByteArray AFaccount::Account::toByteArray ( ) const
```

Definition at line 103 of file afAccount.cpp.

6.1.3.14 toJson()

```
QJsonObject AFaccount::Account::toJson ( ) const  [override], [virtual]
```

Reimplemented from AFaccount::Info.

Definition at line 90 of file afAccount.cpp.

6.1.4 Friends And Related Function Documentation

6.1.4.1 AFlib::API

```
friend class AFlib::API  [friend]
```

Definition at line 63 of file afAccount.h.

6.1.4.2 Storage

```
friend class Storage  [friend]
```

Definition at line 62 of file afAccount.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afAccount.h
- lib_baseAF/account/afAccount.cpp

6.2 AFlib::id::Account_bit Struct Reference

`#include <afIdAccount.h>`

Inheritance diagram for AFlib::id::Account_bit:

```
┌─────────────────────────────┐
│ AFlib::id::TbitStruct< 32 > │
└─────────────────────────────┘
               ▲
┌─────────────────────────────┐
│   AFlib::id::Account_bit    │
└─────────────────────────────┘
```

Public Member Functions

- Account_bit (quint32 id=0)
- quint32 accountId () const
- void setAccountId (quint32 id)
- void setUserId (quint32 id)
- operator quint32 () const
- AccountIdType accountType () const
- bool isGlobal () const
- bool isLocal () const

Static Public Member Functions

- static Account_bit create (const AccountIdType &type)

Additional Inherited Members

6.2.1 Detailed Description

Definition at line 22 of file afIdAccount.h.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 Account_bit()

```
AFlib::id::Account_bit::Account_bit (
            quint32 id = 0 ) [explicit]
```

Definition at line 3 of file afIdAccount.cpp.

6.2.3 Member Function Documentation

6.2.3.1 accountId()

```
quint32 AFlib::id::Account_bit::accountId ( ) const
```

Definition at line 8 of file afIdAccount.cpp.

6.2.3.2 accountType()

```
AFlib::AccountIdType AFlib::id::Account_bit::accountType ( ) const
```

Definition at line 24 of file afIdAccount.cpp.

6.2.3.3 create()

```
AFlib::id::Account_bit AFlib::id::Account_bit::create (
            const AccountIdType & type )  [static]
```

Definition at line 46 of file afIdAccount.cpp.

6.2.3.4 isGlobal()

```
bool AFlib::id::Account_bit::isGlobal ( ) const
```

Definition at line 36 of file afIdAccount.cpp.

6.2.3.5 isLocal()

```
bool AFlib::id::Account_bit::isLocal ( ) const
```

Definition at line 41 of file afIdAccount.cpp.

6.2.3.6 operator quint32()

AFlib::id::Account_bit::operator quint32 ( ) const

Definition at line 61 of file afIdAccount.cpp.

6.2.3.7 setAccountId()

void AFlib::id::Account_bit::setAccountId (
            quint32 *id*)

Definition at line 13 of file afIdAccount.cpp.

6.2.3.8 setUserId()

void AFlib::id::Account_bit::setUserId (
            quint32 *id*)

Definition at line 18 of file afIdAccount.cpp.

The documentation for this struct was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdAccount.h
- lib_baseAF/base/afIdAccount.cpp

6.3 AFlib::Storage::AccountStorage Struct Reference

Public Member Functions

- void addPlugin (quint8 id)

Public Attributes

- id::Account_bit accountBit
- std::vector< PluginStorage > pluginList

6.3.1 Detailed Description

Definition at line 80 of file afStorage.h.

6.3.2 Member Function Documentation

6.3.2.1 addPlugin()

```
void Storage::AccountStorage::addPlugin (
            quint8 id )
```

Definition at line 554 of file afStorage.cpp.

6.3.3 Member Data Documentation

6.3.3.1 accountBit

```
id::Account_bit AFlib::Storage::AccountStorage::accountBit
```

Definition at line 81 of file afStorage.h.

6.3.3.2 pluginList

```
std::vector<PluginStorage> AFlib::Storage::AccountStorage::pluginList
```

Definition at line 83 of file afStorage.h.

The documentation for this struct was generated from the following files:

- lib_baseAF/include/lib_baseAF/afStorage.h
- lib_baseAF/tool/afStorage.cpp

6.4 AFlib::transfer::Answer Class Reference

```
#include <afTransferOperateList.h>
```

Inheritance diagram for AFlib::transfer::Answer:
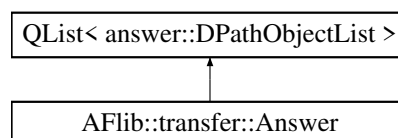
Public Member Functions

- Answer ()=default
- Answer (const QByteArray &data)
- void addNewGlobalId (QStringList dPath, FileType fileType, id::Account_bit owner, id::Object_bit old, id::Object_bit new_)
- std::optional< id::Global_bit > isOldIdPresent (id::Global_bit localId, QStringList dPath, FileType type) const
- operator QByteArray () const
- QByteArray getData () const

6.4.1 Detailed Description

Definition at line 42 of file afTransferOperateList.h.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 Answer() [1/2]

```
AFlib::transfer::Answer::Answer ( )    [explicit], [default]
```

6.4.2.2 Answer() [2/2]

```
AFlib::transfer::Answer::Answer (
            const QByteArray & data )
```

Definition at line 53 of file afTransferOperateList.cpp.

6.4.3 Member Function Documentation

6.4.3.1 addNewGlobalId()

```
void AFlib::transfer::Answer::addNewGlobalId (
            QStringList dPath,
            FileType fileType,
            id::Account_bit owner,
            id::Object_bit old,
            id::Object_bit new_ )
```

Definition at line 59 of file afTransferOperateList.cpp.

6.4.3.2 getData()

```
QByteArray AFlib::transfer::Answer::getData ( ) const
```

Definition at line 94 of file afTransferOperateList.cpp.

6.4.3.3 isOldIdPresent()

```
std::optional< AFlib::id::Global_bit > AFlib::transfer::Answer::isOldIdPresent (
            id::Global_bit localId,
            QStringList dPath,
            FileType type ) const
```

Definition at line 79 of file afTransferOperateList.cpp.

6.4.3.4 operator QByteArray()

```
AFlib::transfer::Answer::operator QByteArray ( ) const
```
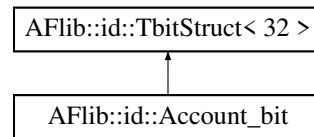
Definition at line 99 of file afTransferOperateList.cpp.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afTransferOperateList.h
- lib_baseAF/tool/afTransferOperateList.cpp

6.5 AFlib::API Class Reference

```
#include <afAPI.h>
```

Inheritance diagram for AFlib::API:
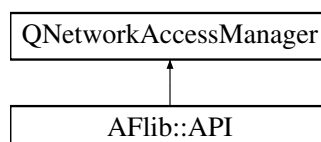
Signals

- void onlineChanged (bool online)

Public Member Functions

- API (QObject ∗parent=nullptr)
- void login (QString login, QString password)
- void registrate (AFaccount::AccountPtr account)
- void remindMyLogin (QString login)
- void remindMyPassword (QString login)
- void addAccount (QString login)
- void addAccount (IdAccount_bit id)
- void updateObjects ()
- bool online () const

Static Public Member Functions

- static ApiPtr instance ()

Static Public Attributes

- static QString defaultLink = QString("127.0.0.1:55023")

Properties

- bool online

Private Member Functions

- void readServerAnswer (QNetworkReply ∗reply)
- void post (RequestType type, QByteArray data, bool isData=false)
- void get (RequestType type, bool isData=false)
- void sendPing ()
- void setOnlineStatus (bool is_online)

Private Attributes

- QMap< RequestType, RequestStatus > m_requestStatus
- bool m_online
- QTimer ∗ m_pingTimer

6.5.1 Detailed Description

Definition at line 45 of file afAPI.h.

6.5.2 Constructor & Destructor Documentation

6.5.2.1 API()

```
AFlib::API::API (
              QObject * parent = nullptr )  [explicit]
```

Definition at line 11 of file afAPI.cpp.

6.5.3 Member Function Documentation

6.5.3.1 addAccount() **[1/2]**

```
void AFlib::API::addAccount (
              IdAccount_bit id )
```

Definition at line 177 of file afAPI.cpp.

6.5.3.2 addAccount() **[2/2]**

```
void AFlib::API::addAccount (
              QString login )
```

Definition at line 165 of file afAPI.cpp.

6.5.3.3 get()

```
void AFlib::API::get (
              RequestType type,
              bool isData = false )  [private]
```

Definition at line 104 of file afAPI.cpp.

6.5.3.4 instance()

```
AFlib::ApiPtr AFlib::API::instance ( )  [static]
```

Definition at line 128 of file afAPI.cpp.

6.5.3.5 login()

```
void AFlib::API::login (
            QString login,
            QString password )
```

Definition at line 133 of file afAPI.cpp.

6.5.3.6 online()

```
bool AFlib::API::online ( ) const
```

6.5.3.7 onlineChanged

```
void AFlib::API::onlineChanged (
            bool online )  [signal]
```

6.5.3.8 post()

```
void AFlib::API::post (
            RequestType type,
            QByteArray data,
            bool isData = false )  [private]
```

Definition at line 93 of file afAPI.cpp.

6.5.3.9 readServerAnswer()

```
void AFlib::API::readServerAnswer (
            QNetworkReply * reply )  [private]
```

Definition at line 20 of file afAPI.cpp.

6.5.3.10 registrate()

```
void AFlib::API::registrate (
            AFaccount::AccountPtr account )
```

Definition at line 141 of file afAPI.cpp.

6.5.3.11 remindMyLogin()

```
void AFlib::API::remindMyLogin (
              QString login )
```

Definition at line 149 of file afAPI.cpp.

6.5.3.12 remindMyPassword()

```
void AFlib::API::remindMyPassword (
              QString login )
```

Definition at line 157 of file afAPI.cpp.

6.5.3.13 sendPing()

```
void AFlib::API::sendPing ( )  [private]
```

Definition at line 112 of file afAPI.cpp.

6.5.3.14 setOnlineStatus()

```
void AFlib::API::setOnlineStatus (
              bool is_online )  [private]
```

Definition at line 118 of file afAPI.cpp.

6.5.3.15 updateObjects()

```
void AFlib::API::updateObjects ( )
```

Definition at line 185 of file afAPI.cpp.

6.5.4 Member Data Documentation

6.5.4.1 defaultLink

```
QString AFlib::API::defaultLink = QString("127.0.0.1:55023")  [static]
```

Definition at line 52 of file afAPI.h.

6.5.4.2 m_online

```
bool AFlib::API::m_online  [private]
```

Definition at line 76 of file afAPI.h.

6.5.4.3 m_pingTimer

```
QTimer* AFlib::API::m_pingTimer  [private]
```

Definition at line 77 of file afAPI.h.

6.5.4.4 m_requestStatus

```
QMap<RequestType, RequestStatus> AFlib::API::m_requestStatus  [private]
```

Definition at line 73 of file afAPI.h.

6.5.5 Property Documentation

6.5.5.1 online

```
bool AFlib::API::online  [read]
```

Definition at line 48 of file afAPI.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afAPI.h
- lib_baseAF/base/afAPI.cpp

6.6 AFlib::Dir Class Reference

`#include <afDir.h>`

Inheritance diagram for AFlib::Dir:

```
          ┌─────────┐
          │ QObject │
          └─────────┘
               ▲
               │
          ┌───────────┐
          │ AFlib::Dir │
          └───────────┘
```
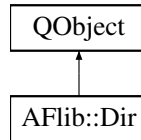
Signals

- void userConfigChanged (QDir userConfig)
- void userDataChanged (QDir userData)
- void userDirChanged (QDir userDir)

Public Member Functions

- Dir (QObject *parent=nullptr)
- void init (bool useCurrentFolder=false)
- void initStandartPath ()
- virtual QDir app () const final
- virtual QDir config () const final
- virtual QDir cookies () const final
- virtual QDir storage () const final
- virtual QDir libraries () const final
- virtual QDir plugins () const final
- virtual QDir translates () const final
- virtual QDir users () const final
- virtual QDir userConfig () const final
- virtual QDir userData () const final
- virtual QDir userDir () const final
- virtual QDir pluginData (QString plugin) const

Static Public Member Functions

- static QSharedPointer< Dir > instance ()
- static bool cdDirectory (QDir &dir, QString name)
- static bool cdDirectory (QDir &dir, quint32 name, uint size)
- static void cpDirectory (QString from, QString to)

Properties

- QDir app
- QDir config
- QDir cookies
- QDir libraries
- QDir plugins
- QDir storage
- QDir translates
- QDir users
- QDir userConfig
- QDir userData
- QDir userDir

Private Slots

- void switchToUser (QString name)

Private Member Functions

- void setUserConfig (QDir userConfig)
- void setUserData (QDir userData)
- void setUserDir (QDir userDir)

Private Attributes

- QDir m_app
- QDir m_config
- QDir m_cookies
- QDir m_libraries
- QDir m_plugins
- QDir m_storage
- QDir m_translates
- QDir m_users
- QDir m_userConfig
- QDir m_userData
- QDir m_userDir

6.6.1 Detailed Description

Definition at line 19 of file afDir.h.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 Dir()

```
Dir::Dir (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 11 of file afDir.cpp.

6.6.3 Member Function Documentation

6.6.3.1 app()

```
virtual QDir AFlib::Dir::app ( ) const  [inline], [final], [virtual]
```

Definition at line 45 of file afDir.h.

6.6.3.2 cdDirectory() [1/2]

```
bool Dir::cdDirectory (
            QDir & dir,
            QString name ) [static]
```

Definition at line 187 of file afDir.cpp.

6.6.3.3 cdDirectory() [2/2]

```
bool Dir::cdDirectory (
            QDir & dir,
            quint32 name,
            uint size ) [static]
```

Definition at line 199 of file afDir.cpp.

6.6.3.4 config()

```
virtual QDir AFlib::Dir::config ( ) const  [inline], [final], [virtual]
```

Definition at line 46 of file afDir.h.

6.6.3.5 cookies()

```
virtual QDir AFlib::Dir::cookies ( ) const  [inline], [final], [virtual]
```

Definition at line 47 of file afDir.h.

6.6.3.6 cpDirectory()

```
void Dir::cpDirectory (
            QString from,
            QString to ) [static]
```

Definition at line 204 of file afDir.cpp.

6.6.3.7 init()

```
void Dir::init (
            bool useCurrentFolder = false )
```

Definition at line 17 of file afDir.cpp.

6.6.3.8 initStandartPath()

```
void Dir::initStandartPath ( )
```

Definition at line 100 of file afDir.cpp.

6.6.3.9 instance()

```
QSharedPointer< AFlib::Dir > Dir::instance ( ) [static]
```

Definition at line 135 of file afDir.cpp.

6.6.3.10 libraries()

```
virtual QDir AFlib::Dir::libraries ( ) const [inline], [final], [virtual]
```

Definition at line 49 of file afDir.h.

6.6.3.11 pluginData()

```
QDir Dir::pluginData (
            QString plugin ) const [virtual]
```

Definition at line 230 of file afDir.cpp.

6.6.3.12 plugins()

```
virtual QDir AFlib::Dir::plugins ( ) const  [inline], [final], [virtual]
```

Definition at line 50 of file afDir.h.

6.6.3.13 setUserConfig()

```
void Dir::setUserConfig (
            QDir userConfig )  [private]
```

Definition at line 160 of file afDir.cpp.

6.6.3.14 setUserData()

```
void Dir::setUserData (
            QDir userData )  [private]
```

Definition at line 169 of file afDir.cpp.

6.6.3.15 setUserDir()

```
void Dir::setUserDir (
            QDir userDir )  [private]
```

Definition at line 178 of file afDir.cpp.

6.6.3.16 storage()

```
virtual QDir AFlib::Dir::storage ( ) const  [inline], [final], [virtual]
```

Definition at line 48 of file afDir.h.

6.6.3.17 switchToUser

```
void Dir::switchToUser (
            QString name )  [private], [slot]
```

Definition at line 143 of file afDir.cpp.

6.6.3.18 translates()

```
virtual QDir AFlib::Dir::translates ( ) const  [inline], [final], [virtual]
```

Definition at line 51 of file afDir.h.

6.6.3.19 userConfig()

```
virtual QDir AFlib::Dir::userConfig ( ) const  [inline], [final], [virtual]
```

Definition at line 53 of file afDir.h.

6.6.3.20 userConfigChanged

```
void AFlib::Dir::userConfigChanged (
            QDir userConfig )  [signal]
```

6.6.3.21 userData()

```
virtual QDir AFlib::Dir::userData ( ) const  [inline], [final], [virtual]
```

Definition at line 54 of file afDir.h.

6.6.3.22 userDataChanged

```
void AFlib::Dir::userDataChanged (
            QDir userData )  [signal]
```

6.6.3.23 userDir()

```
virtual QDir AFlib::Dir::userDir ( ) const  [inline], [final], [virtual]
```

Definition at line 55 of file afDir.h.

6.6.3.24 userDirChanged

```
void AFlib::Dir::userDirChanged (
            QDir userDir ) [signal]
```

6.6.3.25 users()

```
virtual QDir AFlib::Dir::users ( ) const [inline], [final], [virtual]
```

Definition at line 52 of file afDir.h.

6.6.4 Member Data Documentation

6.6.4.1 m_app

```
QDir AFlib::Dir::m_app [private]
```

Definition at line 67 of file afDir.h.

6.6.4.2 m_config

```
QDir AFlib::Dir::m_config [private]
```

Definition at line 68 of file afDir.h.

6.6.4.3 m_cookies

```
QDir AFlib::Dir::m_cookies [private]
```

Definition at line 69 of file afDir.h.

6.6.4.4 m_libraries

```
QDir AFlib::Dir::m_libraries [private]
```

Definition at line 70 of file afDir.h.

6.6.4.5   m_plugins

```
QDir AFlib::Dir::m_plugins [private]
```

Definition at line 71 of file afDir.h.

6.6.4.6   m_storage

```
QDir AFlib::Dir::m_storage [private]
```

Definition at line 72 of file afDir.h.

6.6.4.7   m_translates

```
QDir AFlib::Dir::m_translates [private]
```

Definition at line 73 of file afDir.h.

6.6.4.8   m_userConfig

```
QDir AFlib::Dir::m_userConfig [private]
```

Definition at line 75 of file afDir.h.

6.6.4.9   m_userData

```
QDir AFlib::Dir::m_userData [private]
```

Definition at line 76 of file afDir.h.

6.6.4.10   m_userDir

```
QDir AFlib::Dir::m_userDir [private]
```

Definition at line 77 of file afDir.h.

6.6.4.11 m_users

`QDir AFlib::Dir::m_users [private]`

Definition at line 74 of file afDir.h.

6.6.5 Property Documentation

6.6.5.1 app

`QDir AFlib::Dir::app [read]`

Definition at line 22 of file afDir.h.

6.6.5.2 config

`QDir AFlib::Dir::config [read]`

Definition at line 23 of file afDir.h.

6.6.5.3 cookies

`QDir AFlib::Dir::cookies [read]`

Definition at line 24 of file afDir.h.

6.6.5.4 libraries

`QDir AFlib::Dir::libraries [read]`

Definition at line 25 of file afDir.h.

6.6.5.5 plugins

`QDir AFlib::Dir::plugins [read]`

Definition at line 26 of file afDir.h.

6.6.5.6 storage

`QDir AFlib::Dir::storage [read]`

Definition at line 27 of file afDir.h.

6.6.5.7 translates

`QDir AFlib::Dir::translates [read]`

Definition at line 28 of file afDir.h.

6.6.5.8 userConfig

`QDir AFlib::Dir::userConfig [read]`

Definition at line 31 of file afDir.h.

6.6.5.9 userData

`QDir AFlib::Dir::userData [read]`

Definition at line 32 of file afDir.h.

6.6.5.10 userDir

`QDir AFlib::Dir::userDir [read]`

Definition at line 33 of file afDir.h.

6.6.5.11 users

`QDir AFlib::Dir::users [read]`

Definition at line 29 of file afDir.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afDir.h
- lib_baseAF/tool/afDir.cpp
- lib_baseAF/tool/afDir2.cpp

6.7 **AFlib::transfer::answer::DPathObjectList Struct Reference**

```
#include <afTransferOperateList.h>
```

Inheritance diagram for AFlib::transfer::answer::DPathObjectList:

```
                    ┌─────────────────────────────────────────┐
                    │           QList< Object >                │
                    └─────────────────────────────────────────┘
                                      ▲
                    ┌─────────────────────────────────────────┐
                    │  AFlib::transfer::answer::DPathObjectList │
                    └─────────────────────────────────────────┘
```
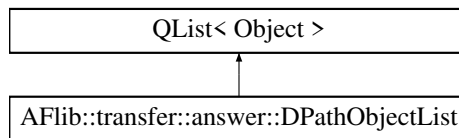
Public Attributes

- QStringList dPath
- FileType fileType

Friends

- QDataStream & operator<< (QDataStream &stream, const DPathObjectList &data)
- QDataStream & operator>> (QDataStream &stream, DPathObjectList &data)

6.7.1 Detailed Description

Definition at line 34 of file afTransferOperateList.h.

6.7.2 Friends And Related Function Documentation

6.7.2.1 operator<<

```
QDataStream& operator<< (
            QDataStream & stream,
            const DPathObjectList & data )  [friend]
```

Definition at line 42 of file afTransferOperateList.cpp.

6.7.2.2 operator>>

```
QDataStream& operator>> (
            QDataStream & stream,
            DPathObjectList & data )  [friend]
```

Definition at line 47 of file afTransferOperateList.cpp.

6.7.3 Member Data Documentation

6.7.3.1 dPath

```
QStringList AFlib::transfer::answer::DPathObjectList::dPath
```

Definition at line 35 of file afTransferOperateList.h.

6.7.3.2 fileType

```
FileType AFlib::transfer::answer::DPathObjectList::fileType
```

Definition at line 36 of file afTransferOperateList.h.

The documentation for this struct was generated from the following file:

- lib_baseAF/include/lib_baseAF/afTransferOperateList.h

6.8 AFlib::File Class Reference

```
#include <afFile.h>
```

Public Member Functions

- File (QString dPath, AFlib::FileType type=AFlib::FileType::Data)
- File (QStringList list, AFlib::FileType type=AFlib::FileType::Data)
- virtual ∼File ()
- bool openRead ()
- bool openWrite ()
- bool exists ()
- QByteArray readAll ()
- bool writeAll (const QByteArray &data)
- QDataStream & stream ()
- bool isOpen () const
- QStringList dPath () const
- FileType dType () const

Static Public Member Functions

- static bool rename (QDir dir, QString file, QString newName)
- static QStringList getFullTypeList ()
- static QString getFileTypeName (FileType type)
- static QDir getFullDir (const QStringList &list, bool isFileNameIsLast=true)
- static QString getFullPath (const QStringList &list, AFlib::FileType type=AFlib::FileType::Data)
- static QString getFullPath (const QString &dPath)
- static QString getDPath (const QStringList &list)
- static QString getDPath (const QString &fullPath)
- static QString getDPath (const QDir &fullPath)
- static QStringList getDPathList (const QString &dPath)

Private Attributes

- QDataStream m_stream
- QStringList p_dPath
- AFlib::FileType p_fileType
- QFile ∗ m_file

6.8.1 Detailed Description

Definition at line 17 of file afFile.h.

6.8.2 Constructor & Destructor Documentation

6.8.2.1 File() [1/2]

```
AFlib::File::File (
            QString dPath,
            AFlib::FileType type = AFlib::FileType::Data )
```

Definition at line 8 of file afFile.cpp.

6.8.2.2 File() [2/2]

```
AFlib::File::File (
            QStringList list,
            AFlib::FileType type = AFlib::FileType::Data )
```

Definition at line 16 of file afFile.cpp.

6.8.2.3 ~File()

```
AFlib::File::~File ( )  [virtual]
```

Definition at line 24 of file afFile.cpp.

6.8.3 Member Function Documentation

6.8.3.1 dPath()

```
QStringList AFlib::File::dPath ( ) const
```

Definition at line 90 of file afFile.cpp.

6.8.3.2 dType()

```
AFlib::FileType AFlib::File::dType ( ) const
```

Definition at line 95 of file afFile.cpp.

6.8.3.3 exists()

```
bool AFlib::File::exists ( )
```

Definition at line 64 of file afFile.cpp.

6.8.3.4 getDPath() [1/3]

```
QString AFlib::File::getDPath (
            const QDir & fullPath ) [static]
```

Definition at line 179 of file afFile.cpp.

6.8.3.5 getDPath() **[2/3]**

```
QString AFlib::File::getDPath (
            const QString & fullPath )  [static]
```

Definition at line 160 of file afFile.cpp.

6.8.3.6 getDPath() **[3/3]**

```
QString AFlib::File::getDPath (
            const QStringList & list )  [static]
```

Definition at line 155 of file afFile.cpp.

6.8.3.7 getDPathList()

```
QStringList AFlib::File::getDPathList (
            const QString & dPath )  [static]
```

Definition at line 172 of file afFile.cpp.

6.8.3.8 getFileTypeName()

```
QString AFlib::File::getFileTypeName (
            FileType type )  [static]
```

Definition at line 116 of file afFile.cpp.

6.8.3.9 getFullDir()

```
QDir AFlib::File::getFullDir (
            const QStringList & list,
            bool isFileNameIsLast = true )  [static]
```

Definition at line 128 of file afFile.cpp.

6.8.3.10 getFullPath() [1/2]

```
QString AFlib::File::getFullPath (
            const QString & dPath )  [static]
```

Definition at line 150 of file afFile.cpp.

6.8.3.11 getFullPath() [2/2]

```
QString AFlib::File::getFullPath (
            const QStringList & list,
            AFlib::FileType type = AFlib::FileType::Data )  [static]
```

Definition at line 144 of file afFile.cpp.

6.8.3.12 getFullTypeList()

```
QStringList AFlib::File::getFullTypeList ( )  [static]
```

Definition at line 105 of file afFile.cpp.

6.8.3.13 isOpen()

```
bool AFlib::File::isOpen ( ) const
```

Definition at line 85 of file afFile.cpp.

6.8.3.14 openRead()

```
bool AFlib::File::openRead ( )
```

Definition at line 30 of file afFile.cpp.

6.8.3.15 openWrite()

```
bool AFlib::File::openWrite ( )
```

Definition at line 50 of file afFile.cpp.

6.8.3.16 readAll()

```
QByteArray AFlib::File::readAll ( )
```

Definition at line 69 of file afFile.cpp.

6.8.3.17 rename()

```
bool AFlib::File::rename (
            QDir dir,
            QString file,
            QString newName )  [static]
```

Definition at line 100 of file afFile.cpp.

6.8.3.18 stream()

```
QDataStream & AFlib::File::stream ( )
```

Definition at line 80 of file afFile.cpp.

6.8.3.19 writeAll()

```
bool AFlib::File::writeAll (
            const QByteArray & data )
```

Definition at line 74 of file afFile.cpp.

6.8.4 Member Data Documentation

6.8.4.1 m_file

```
QFile* AFlib::File::m_file  [private]
```

Definition at line 52 of file afFile.h.

6.8.4.2 m_stream

```
QDataStream AFlib::File::m_stream  [private]
```

Definition at line 49 of file afFile.h.

6.8.4.3 p_dPath

```
QStringList AFlib::File::p_dPath  [private]
```

Definition at line 50 of file afFile.h.

6.8.4.4 p_fileType

```
AFlib::FileType AFlib::File::p_fileType  [private]
```

Definition at line 51 of file afFile.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afFile.h
- lib_baseAF/tool/afFile.cpp

6.9 AFlib::Function Class Reference

```
#include <afFunction.h>
```

Inheritance diagram for AFlib::Function:
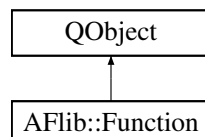
Public Member Functions

- Function (QObject ∗parent=nullptr)

Static Public Member Functions

- static QString [libraryName](QString libraryName)
- static QPair< bool, QString > [filePath](QString name, QDir dir=QDir::current())
- static QPair< bool, QString > [libraryPath](QString name, QDir dir=QDir::current())
- static QSharedPointer< QLibrary > [library](QString name, QDir dir=QDir::current(), QObject *parent=nullptr)
- static QSharedPointer< QPluginLoader > [pluginLoader](QString name, QDir dir=QDir::current(), QObject *parent=nullptr)
- static QString [stringToDigit](QString text)
- static std::string [toString](uint number, uchar numeral_system=1, char size=-1, uchar separate=4, bool showNS=true)

  Function::toString.

- static QString [digitToString](double number, int symbolAfterPoint=3)
- static int [randomInt](int from, int to)
- static QDateTime [nullDateTime]()
- template<typename Return_arg , unsigned size>
  static std::pair< unsigned, Return_arg > [findMaxElement](std::array< Return_arg, size > array)
- template<typename Return_arg , unsigned size>
  static std::pair< unsigned, Return_arg > [findMinElement](std::array< Return_arg, size > array)
- template<typename Return_arg , unsigned size>
  static std::list< unsigned > [findMaxIndexList](std::array< Return_arg, size > array)
- template<typename Return_arg , unsigned size>
  static std::list< unsigned > [findMinIndexList](std::array< Return_arg, size > array)

6.9.1 Detailed Description

Definition at line 13 of file afFunction.h.

6.9.2 Constructor & Destructor Documentation

6.9.2.1 Function()

```
Function::Function (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 9 of file afFunction.cpp.

6.9.3 Member Function Documentation

6.9.3.1 digitToString()

```
QString Function::digitToString (
            double number,
            int symbolAfterPoint = 3 )  [static]
```

Definition at line 102 of file afFunction.cpp.

6.9.3.2 filePath()

```
QPair< bool, QString > Function::filePath (
            QString name,
            QDir dir = QDir::current() ) [static]
```

Definition at line 157 of file afFunction.cpp.

6.9.3.3 findMaxElement()

```
template<typename Return_arg , unsigned size>
static std::pair<unsigned, Return_arg> AFlib::Function::findMaxElement (
            std::array< Return_arg, size > array ) [inline], [static]
```

Definition at line 37 of file afFunction.h.

6.9.3.4 findMaxIndexList()

```
template<typename Return_arg , unsigned size>
static std::list<unsigned> AFlib::Function::findMaxIndexList (
            std::array< Return_arg, size > array ) [inline], [static]
```

Definition at line 63 of file afFunction.h.

6.9.3.5 findMinElement()

```
template<typename Return_arg , unsigned size>
static std::pair<unsigned, Return_arg> AFlib::Function::findMinElement (
            std::array< Return_arg, size > array ) [inline], [static]
```

Definition at line 50 of file afFunction.h.

6.9.3.6 findMinIndexList()

```
template<typename Return_arg , unsigned size>
static std::list<unsigned> AFlib::Function::findMinIndexList (
            std::array< Return_arg, size > array ) [inline], [static]
```

Definition at line 77 of file afFunction.h.

6.9.3.7 library()

```
QSharedPointer< QLibrary > Function::library (
            QString name,
            QDir dir = QDir::current(),
            QObject * parent = nullptr )  [static]
```

Definition at line 14 of file afFunction.cpp.

6.9.3.8 libraryName()

```
QString Function::libraryName (
            QString libraryName )  [static]
```

Definition at line 147 of file afFunction.cpp.

6.9.3.9 libraryPath()

```
QPair< bool, QString > Function::libraryPath (
            QString name,
            QDir dir = QDir::current() )  [static]
```

Definition at line 168 of file afFunction.cpp.

6.9.3.10 nullDateTime()

```
QDateTime Function::nullDateTime ( )  [static]
```

Definition at line 138 of file afFunction.cpp.

6.9.3.11 pluginLoader()

```
QSharedPointer< QPluginLoader > Function::pluginLoader (
            QString name,
            QDir dir = QDir::current(),
            QObject * parent = nullptr )  [static]
```

Definition at line 24 of file afFunction.cpp.

6.9.3.12 randomInt()

```
int Function::randomInt (
            int from,
            int to ) [static]
```

Definition at line 130 of file afFunction.cpp.

6.9.3.13 stringToDigit()

```
QString Function::stringToDigit (
            QString text ) [static]
```

Definition at line 34 of file afFunction.cpp.

6.9.3.14 toString()

```
std::string Function::toString (
            uint number,
            uchar numeral_system = 1,
            char size = −1,
            uchar separate = 4,
            bool showNS = true ) [static]
```

Function::toString.

Parameters

number	-
numeral_system	-
size	- , -1
separate	- , 4
showNS	-

**Returns**

[2] 1110

Definition at line 64 of file afFunction.cpp.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afFunction.h
- lib_baseAF/base/afFunction.cpp

6.10 AFlib::id::Global_bit Struct Reference

`#include <afIdGlobalBit.h>`

Public Member Functions

- Global_bit (Account_bit owner, Object_bit object)
- Global_bit (quint64 number)
- quint64 toNumber () const

Public Attributes

- Account_bit ownerId
- Object_bit objectId

Friends

- bool operator== (const Global_bit &l, const Global_bit &r)
- QDataStream & operator<< (QDataStream &s, const Global_bit &id)
- QDataStream & operator>> (QDataStream &s, Global_bit &id)

6.10.1 Detailed Description

Definition at line 18 of file afIdGlobalBit.h.

6.10.2 Constructor & Destructor Documentation

6.10.2.1 Global_bit() [1/2]

```
AFlib::id::Global_bit::Global_bit (
            Account_bit owner,
            Object_bit object )
```

Definition at line 4 of file afIdGlobalBit.cpp.

6.10.2.2 Global_bit() [2/2]

```
AFlib::id::Global_bit::Global_bit (
            quint64 number )
```

Definition at line 10 of file afIdGlobalBit.cpp.

6.10.3 Member Function Documentation

6.10.3.1 toNumber()

```
quint64 AFlib::id::Global_bit::toNumber ( ) const
```

Definition at line 16 of file afIdGlobalBit.cpp.

6.10.4 Friends And Related Function Documentation

6.10.4.1 operator<<

```
QDataStream& operator<< (
            QDataStream & s,
            const Global_bit & id )  [friend]
```

Definition at line 22 of file afIdGlobalBit.cpp.

6.10.4.2 operator==

```
bool operator== (
            const Global_bit & l,
            const Global_bit & r )  [friend]
```

Definition at line 28 of file afIdGlobalBit.h.

6.10.4.3 operator>>

```
QDataStream& operator>> (
            QDataStream & s,
            Global_bit & id )  [friend]
```

Definition at line 27 of file afIdGlobalBit.cpp.

6.10.5 Member Data Documentation

6.10.5.1 objectId

`Object_bit` AFlib::id::Global_bit::objectId

Definition at line 21 of file afIdGlobalBit.h.

6.10.5.2 ownerId

`Account_bit` AFlib::id::Global_bit::ownerId

Definition at line 20 of file afIdGlobalBit.h.

The documentation for this struct was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdGlobalBit.h
- lib_baseAF/base/afIdGlobalBit.cpp

6.11 AFaccount::Group Class Reference

`#include <afAccountGroup.h>`

Inheritance diagram for AFaccount::Group:

```
              QObject
                 ▲
                 |
        AFlib::id::ObjectTemplate
                 ▲
                 |
          AFaccount::Info
                 ▲
                 |
          AFaccount::Group
```

Public Member Functions

- Group (QObject ∗parent=nullptr)
- Group (AFlib::IdObjectPtr ptr, QObject ∗parent=nullptr)
- InfoPtrList userList () const
- InfoPtrList ownerList () const
- InfoPtrList creatorList () const
- InfoPtrList moderatorList () const
- QStringList userNameList () const
- QStringList ownerNameList () const
- QStringList creatorNameList () const
- QStringList moderatorNameList () const
- void addAccount (InfoPtr account, AccessType access)
- void removeAccount (InfoPtr account, AccessType access)
- void changeAccess (InfoPtr account, AccessType newAccess)
- void addAccount (AFIdObject_bit account, AccessType access)
- void removeAccount (AFIdObject_bit account, AccessType access)
- void changeAccess (AFIdObject_bit account, AccessType newAccess)

Private Member Functions

- InfoPtrList getByType (AccessType type, bool inheritType=true) const
- QStringList getNameByType (AccessType type, bool inheritType=true) const

Private Attributes

- QMap< InfoPtr, AccessType > m_userList

Additional Inherited Members

6.11.1 Detailed Description

Definition at line 30 of file afAccountGroup.h.

6.11.2 Constructor & Destructor Documentation

6.11.2.1 Group() [1/2]

```
Group::Group (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 16 of file afAccountGroup.cpp.

6.11.2.2 Group() [2/2]

```
Group::Group (
            AFlib::IdObjectPtr ptr,
            QObject * parent = nullptr )
```

Definition at line 23 of file afAccountGroup.cpp.

6.11.3 Member Function Documentation

6.11.3.1 addAccount() [1/2]

```
void Group::addAccount (
            AFIdObject_bit account,
            AccessType access )
```

Definition at line 54 of file afAccountGroup.cpp.

6.11.3.2 addAccount() [2/2]

```
void Group::addAccount (
            InfoPtr account,
            AccessType access )
```

Definition at line 39 of file afAccountGroup.cpp.

6.11.3.3 changeAccess() [1/2]

```
void Group::changeAccess (
            AFIdObject_bit account,
            AccessType newAccess )
```

Definition at line 66 of file afAccountGroup.cpp.

6.11.3.4 changeAccess() [2/2]

```
void Group::changeAccess (
            InfoPtr account,
            AccessType newAccess )
```

Definition at line 49 of file afAccountGroup.cpp.

6.11.3.5 creatorList()

```
InfoPtrList Group::creatorList ( ) const
```

Definition at line 31 of file afAccountGroup.cpp.

6.11.3.6 creatorNameList()

```
QStringList Group::creatorNameList ( ) const
```

Definition at line 36 of file afAccountGroup.cpp.

6.11.3.7 getByType()

```
InfoPtrList Group::getByType (
            AccessType type,
            bool inheritType = true ) const  [private]
```

Definition at line 72 of file afAccountGroup.cpp.

6.11.3.8 getNameByType()

```
QStringList Group::getNameByType (
            AccessType type,
            bool inheritType = true ) const  [private]
```

Definition at line 84 of file afAccountGroup.cpp.

6.11.3.9 moderatorList()

```
InfoPtrList Group::moderatorList ( ) const
```

Definition at line 32 of file afAccountGroup.cpp.

6.11.3.10 moderatorNameList()

```
QStringList Group::moderatorNameList ( ) const
```

Definition at line 37 of file afAccountGroup.cpp.

6.11.3.11 ownerList()

```
InfoPtrList Group::ownerList ( ) const
```

Definition at line 30 of file afAccountGroup.cpp.

6.11.3.12 ownerNameList()

```
QStringList Group::ownerNameList ( ) const
```

Definition at line 35 of file afAccountGroup.cpp.

6.11.3.13 removeAccount() [1/2]

```
void Group::removeAccount (
            AFIdObject_bit account,
            AccessType access )
```

Definition at line 60 of file afAccountGroup.cpp.

6.11.3.14 removeAccount() [2/2]

```
void Group::removeAccount (
            InfoPtr account,
            AccessType access )
```

Definition at line 44 of file afAccountGroup.cpp.

6.11.3.15 userList()

```
InfoPtrList Group::userList ( ) const
```

Definition at line 29 of file afAccountGroup.cpp.

6.11.3.16 userNameList()

```
QStringList Group::userNameList ( ) const
```

Definition at line 34 of file afAccountGroup.cpp.

6.11.4 Member Data Documentation

6.11.4.1 m_userList

```
QMap<InfoPtr, AccessType> AFaccount::Group::m_userList  [private]
```
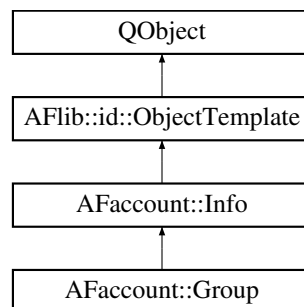
Definition at line 56 of file afAccountGroup.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afAccountGroup.h
- lib_baseAF/account/afAccountGroup.cpp

6.12 AFquick::GuiApplication Class Reference

`#include <guiApplication.h>`

Inheritance diagram for AFquick::GuiApplication:

```
┌─────────────────────┐
│   QGuiApplication   │
└─────────────────────┘
           ▲
           │
┌─────────────────────┐
│ AFquick::GuiApplication │
└─────────────────────┘
```
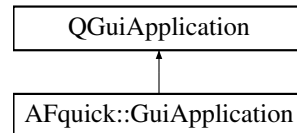
Public Slots

- void clickOnMenu (int index)

Signals

- void accountChanged (bool account)
- void monomenuChanged (bool monomenu)
- void monoobjectChanged (bool monoobject)
- void portraitChanged (bool portrait)

Public Member Functions

- GuiApplication (int &argc, char ∗∗argv)
- virtual ∼GuiApplication ()
- void initializePlugin ()
- void initializePlugin (QString name)
- void setAFaccountFlag (bool isUseAFaccount)
- void show ()
- void quit ()
- void setMainQmlUrl (QUrl url)
- void setMainQml (QString path)
- void setMonomenu (QStringList list)
- void setMonomenu (QHash< QString, QString > hash)
- QAbstractListModel ∗ menuModel () const
- bool addPlugin (GuiPluginPtr plugin)
- void setContextProperty (QString name, QObject ∗object)
- void setContextProperty (QString name, QVariant variant)
- bool setCurrentPlugin (const QString &name)
- virtual bool account () const final
- virtual bool monomenu () const final
- virtual bool monoobject () const final
- virtual bool portrait () const final

Properties

- bool account
- bool monomenu
- bool monoobject
- bool portrait
- QAbstractListModel menuModel

Private Member Functions

- void checkPortrait ()
- bool setContentUrl (QUrl url)

Private Attributes

- bool m_useAFaccount
- bool m_portrait
- bool m_initializeAll
- bool m_monomenu
- QString m_currentPluginName
- QQuickView ∗ m_view
- QList< GuiPluginPtr > m_pluginList
- MenuModel ∗ m_menu

6.12.1   Detailed Description

Definition at line 13 of file guiApplication.h.

6.12.2   Constructor & Destructor Documentation

6.12.2.1   GuiApplication()

```
AFquick::GuiApplication::GuiApplication (
            int & argc,
            char ** argv ) [explicit]
```

Definition at line 10 of file guiApplication.cpp.

6.12.2.2   ∼GuiApplication()

```
AFquick::GuiApplication::∼GuiApplication ( ) [virtual]
```

Definition at line 39 of file guiApplication.cpp.

6.12.3   Member Function Documentation

6.12.3.1 account()

```
virtual bool AFquick::GuiApplication::account ( ) const  [final], [virtual]
```

6.12.3.2 accountChanged

```
void AFquick::GuiApplication::accountChanged (
            bool account )  [signal]
```

6.12.3.3 addPlugin()

```
bool AFquick::GuiApplication::addPlugin (
            GuiPluginPtr plugin )
```

Definition at line 123 of file guiApplication.cpp.

6.12.3.4 checkPortrait()

```
void AFquick::GuiApplication::checkPortrait ( )  [private]
```

Definition at line 225 of file guiApplication.cpp.

6.12.3.5 clickOnMenu

```
void AFquick::GuiApplication::clickOnMenu (
            int index )  [slot]
```

Definition at line 189 of file guiApplication.cpp.

6.12.3.6 initializePlugin() [1/2]

```
void AFquick::GuiApplication::initializePlugin ( )
```

Definition at line 56 of file guiApplication.cpp.

6.12.3.7 initializePlugin() [2/2]

```
void AFquick::GuiApplication::initializePlugin (
            QString name )
```

Definition at line 65 of file guiApplication.cpp.

6.12.3.8 menuModel()

```
QAbstractListModel* AFquick::GuiApplication::menuModel ( ) const
```

6.12.3.9 monomenu()

```
virtual bool AFquick::GuiApplication::monomenu ( ) const  [final], [virtual]
```

6.12.3.10 monomenuChanged

```
void AFquick::GuiApplication::monomenuChanged (
            bool monomenu )  [signal]
```

6.12.3.11 monoobject()

```
virtual bool AFquick::GuiApplication::monoobject ( ) const  [final], [virtual]
```

6.12.3.12 monoobjectChanged

```
void AFquick::GuiApplication::monoobjectChanged (
            bool monoobject )  [signal]
```

6.12.3.13 portrait()

```
virtual bool AFquick::GuiApplication::portrait ( ) const  [final], [virtual]
```

6.12.3.14 portraitChanged

```
void AFquick::GuiApplication::portraitChanged (
            bool portrait ) [signal]
```

6.12.3.15 quit()

```
void AFquick::GuiApplication::quit ( )
```

Definition at line 85 of file guiApplication.cpp.

6.12.3.16 setAFaccountFlag()

```
void AFquick::GuiApplication::setAFaccountFlag (
            bool isUseAFaccount )
```

Definition at line 47 of file guiApplication.cpp.

6.12.3.17 setContentUrl()

```
bool AFquick::GuiApplication::setContentUrl (
            QUrl url ) [private]
```

Definition at line 198 of file guiApplication.cpp.

6.12.3.18 setContextProperty() [1/2]

```
void AFquick::GuiApplication::setContextProperty (
            QString name,
            QObject * object )
```

Definition at line 144 of file guiApplication.cpp.

6.12.3.19 setContextProperty() [2/2]

```
void AFquick::GuiApplication::setContextProperty (
            QString name,
            QVariant variant )
```

Definition at line 149 of file guiApplication.cpp.

6.12.3.20 setCurrentPlugin()

```
bool AFquick::GuiApplication::setCurrentPlugin (
            const QString & name )
```

Definition at line 154 of file guiApplication.cpp.

6.12.3.21 setMainQml()

```
void AFquick::GuiApplication::setMainQml (
            QString path )
```

Definition at line 95 of file guiApplication.cpp.

6.12.3.22 setMainQmlUrl()

```
void AFquick::GuiApplication::setMainQmlUrl (
            QUrl url )
```

Definition at line 90 of file guiApplication.cpp.

6.12.3.23 setMonomenu() [1/2]

```
void AFquick::GuiApplication::setMonomenu (
            QHash< QString, QString > hash )
```

Definition at line 109 of file guiApplication.cpp.

6.12.3.24 setMonomenu() [2/2]

```
void AFquick::GuiApplication::setMonomenu (
            QStringList list )
```

Definition at line 100 of file guiApplication.cpp.

6.12.3.25 show()

```
void AFquick::GuiApplication::show ( )
```

Definition at line 74 of file guiApplication.cpp.

6.12.4 Member Data Documentation

6.12.4.1 m_currentPluginName

```
QString AFquick::GuiApplication::m_currentPluginName  [private]
```

Definition at line 66 of file guiApplication.h.

6.12.4.2 m_initializeAll

```
bool AFquick::GuiApplication::m_initializeAll  [private]
```

Definition at line 64 of file guiApplication.h.

6.12.4.3 m_menu

```
MenuModel* AFquick::GuiApplication::m_menu  [private]
```

Definition at line 73 of file guiApplication.h.

6.12.4.4 m_monomenu

```
bool AFquick::GuiApplication::m_monomenu  [private]
```

Definition at line 65 of file guiApplication.h.

6.12.4.5 m_pluginList

```
QList<GuiPluginPtr> AFquick::GuiApplication::m_pluginList  [private]
```

Definition at line 69 of file guiApplication.h.

6.12.4.6 m_portrait

```
bool AFquick::GuiApplication::m_portrait  [private]
```

Definition at line 63 of file guiApplication.h.

6.12.4.7 m_useAFaccount

```
bool AFquick::GuiApplication::m_useAFaccount  [private]
```

Definition at line 62 of file guiApplication.h.

6.12.4.8 m_view

```
QQuickView* AFquick::GuiApplication::m_view  [private]
```

Definition at line 68 of file guiApplication.h.

6.12.5 Property Documentation

6.12.5.1 account

```
bool AFquick::GuiApplication::account  [read]
```

Definition at line 16 of file guiApplication.h.

6.12.5.2 menuModel

```
QAbstractListModel * AFquick::GuiApplication::menuModel  [read]
```

Definition at line 20 of file guiApplication.h.

6.12.5.3 monomenu

```
bool AFquick::GuiApplication::monomenu  [read]
```

Definition at line 17 of file guiApplication.h.

6.12.5.4 monoobject

`bool AFquick::GuiApplication::monoobject [read]`

Definition at line 18 of file guiApplication.h.

6.12.5.5 portrait

`bool AFquick::GuiApplication::portrait [read]`

Definition at line 19 of file guiApplication.h.

The documentation for this class was generated from the following files:

- lib_quickAF/include/lib_quickAF/guiApplication.h
- lib_quickAF/src/guiApplication.cpp

6.13 AFquick::GuiPlugin Class Reference

`#include <guiPlugin.h>`

Inheritance diagram for AFquick::GuiPlugin:
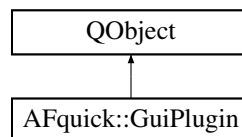
Public Member Functions

- GuiPlugin (QString name, QObject ∗parent=nullptr)
- virtual ∼GuiPlugin ()=default
- virtual QString name () const final
- virtual QString icon () const
- virtual QUrl qmlUrl () const =0
- virtual void initialize ()=0
- void clickOnMenu (int index)

Protected Member Functions

- virtual void setContextProperty (QString name, QObject ∗object) final
- virtual void setContextProperty (QString name, QVariant variant) final

Private Member Functions

- virtual void setAfApp (GuiApplication ∗afApp) final

Private Attributes

- QString m_name
- GuiApplication ∗ m_afApp

Friends

- class GuiApplication

6.13.1 Detailed Description

Definition at line 14 of file guiPlugin.h.

6.13.2 Constructor & Destructor Documentation

6.13.2.1 GuiPlugin()

```
AFquick::GuiPlugin::GuiPlugin (
            QString name,
            QObject * parent = nullptr ) [explicit]
```

Definition at line 4 of file guiPlugin.cpp.

6.13.2.2 ∼GuiPlugin()

```
virtual AFquick::GuiPlugin::∼GuiPlugin ( ) [virtual], [default]
```

6.13.3 Member Function Documentation

6.13.3.1 clickOnMenu()

```
void AFquick::GuiPlugin::clickOnMenu (
            int index )
```

Definition at line 21 of file guiPlugin.cpp.

6.13.3.2 icon()

```
QString AFquick::GuiPlugin::icon ( ) const  [virtual]
```

Definition at line 15 of file guiPlugin.cpp.

6.13.3.3 initialize()

```
virtual void AFquick::GuiPlugin::initialize ( )  [pure virtual]
```

6.13.3.4 name()

```
QString AFquick::GuiPlugin::name ( ) const  [final], [virtual]
```

Definition at line 10 of file guiPlugin.cpp.

6.13.3.5 qmlUrl()

```
virtual QUrl AFquick::GuiPlugin::qmlUrl ( ) const  [pure virtual]
```

6.13.3.6 setAfApp()

```
void AFquick::GuiPlugin::setAfApp (
            GuiApplication * afApp )  [final], [private], [virtual]
```

Definition at line 37 of file guiPlugin.cpp.

6.13.3.7 setContextProperty() [1/2]

```
void AFquick::GuiPlugin::setContextProperty (
            QString name,
            QObject * object )  [final], [protected], [virtual]
```

Definition at line 27 of file guiPlugin.cpp.

6.13.3.8 setContextProperty() [2/2]

```
void AFquick::GuiPlugin::setContextProperty (
            QString name,
            QVariant variant ) [final], [protected], [virtual]
```

Definition at line 32 of file guiPlugin.cpp.

6.13.4 Friends And Related Function Documentation

6.13.4.1 GuiApplication

```
friend class GuiApplication [friend]
```

Definition at line 36 of file guiPlugin.h.

6.13.5 Member Data Documentation

6.13.5.1 m_afApp

```
GuiApplication* AFquick::GuiPlugin::m_afApp [private]
```

Definition at line 37 of file guiPlugin.h.

6.13.5.2 m_name

```
QString AFquick::GuiPlugin::m_name [private]
```

Definition at line 34 of file guiPlugin.h.

The documentation for this class was generated from the following files:

- lib_quickAF/include/lib_quickAF/guiPlugin.h
- lib_quickAF/src/guiPlugin.cpp

6.14 AFquick::GuiSize Class Reference

`#include <guiSize.h>`

Inheritance diagram for AFquick::GuiSize:

```
┌─────────────┐
│   QObject   │
└─────────────┘
       ▲
       │
┌──────────────────┐
│ AFquick::GuiSize │
└──────────────────┘
```
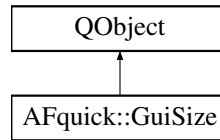
Public Slots

- void setTopleft (QPoint topleft)
- void setMenuWidth (uint menuWidth)

Signals

- void topleftChanged (QPoint topleft)
- void menuWidthChanged (uint menuWidth)

Public Member Functions

- GuiSize (QObject ∗parent=nullptr)
- virtual double button () const
- virtual QPoint topleft () const
- virtual uint menuWidth () const

Properties

- double button
- QPoint topleft
- uint menuWidth

Private Attributes

- double m_button
- QPoint m_topleft
- uint m_menuWidth

6.14.1 Detailed Description

Definition at line 16 of file guiSize.h.

6.14.2 Constructor & Destructor Documentation

6.14.2.1 GuiSize()

```
AFquick::GuiSize::GuiSize (
            QObject * parent = nullptr ) [explicit]
```

Definition at line 8 of file guiSize.cpp.

6.14.3 Member Function Documentation

6.14.3.1 button()

```
virtual double AFquick::GuiSize::button ( ) const  [virtual]
```

6.14.3.2 menuWidth()

```
virtual uint AFquick::GuiSize::menuWidth ( ) const  [virtual]
```

6.14.3.3 menuWidthChanged

```
void AFquick::GuiSize::menuWidthChanged (
            uint menuWidth ) [signal]
```

6.14.3.4 setMenuWidth

```
void AFquick::GuiSize::setMenuWidth (
            uint menuWidth ) [slot]
```

Definition at line 43 of file guiSize.cpp.

6.14.3.5 setTopleft

```
void AFquick::GuiSize::setTopleft (
            QPoint topleft ) [slot]
```

Definition at line 34 of file guiSize.cpp.

6.14.3.6 topleft()

```
virtual QPoint AFquick::GuiSize::topleft ( ) const  [virtual]
```

6.14.3.7 topleftChanged

```
void AFquick::GuiSize::topleftChanged (
            QPoint topleft ) [signal]
```

6.14.4 Member Data Documentation

6.14.4.1 m_button

```
double AFquick::GuiSize::m_button  [private]
```

Definition at line 38 of file guiSize.h.

6.14.4.2 m_menuWidth

```
uint AFquick::GuiSize::m_menuWidth  [private]
```

Definition at line 40 of file guiSize.h.

6.14.4.3 m_topleft

```
QPoint AFquick::GuiSize::m_topleft  [private]
```

Definition at line 39 of file guiSize.h.

6.14.5 Property Documentation

6.14.5.1 button

```
double AFquick::GuiSize::button  [read]
```

Definition at line 19 of file guiSize.h.

6.14.5.2 menuWidth

```
uint AFquick::GuiSize::menuWidth  [read], [write]
```

Definition at line 21 of file guiSize.h.

6.14.5.3 topleft

```
QPoint AFquick::GuiSize::topleft  [read], [write]
```

Definition at line 20 of file guiSize.h.

The documentation for this class was generated from the following files:

- lib_quickAF/include/lib_quickAF/guiSize.h
- lib_quickAF/src/guiSize.cpp

6.15 AFlib::id::History Class Reference

```
#include <afIdHistory.h>
```

Inheritance diagram for AFlib::id::History:
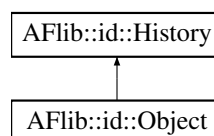
Public Member Functions

- History ()
- void updateTime (QDateTime dTime)
- bool haveUpdates () const
- bool isEmpty () const
- QDateTime lastChange () const
- QDateTime lastUpdate () const
- QDateTime timeCreate () const
- void makeFull (const QByteArray &data)
- void makeShorten (OperatePtrList &list)
- void makeShorten ()
- void saveShorten ()
- void useCompress (Compress value)
- QVariant getAttribute (Attribute key) const
- void setAttribute (Attribute key, QVariant value)
- template<typename K >
  QVariant getAttribute (K key) const
- template<typename K >
  void setAttribute (K key, QVariant value)
- template<typename K >
  Global_bit getIdAttribute (K key) const
- template<typename K >
  void setIdAttribute (K key, const Global_bit &value)
- QVariantList getMultiAttribute (Attribute key) const
- void setMultiAttribute (Attribute key, QVariant value, HIdType type)
- template<typename K >
  QVariantList getMultiAttribute (K key) const
- template<typename K >
  GlobalList_bit getMultiIdAttribute (K key) const
- template<typename K >
  void setMultiAttribute (K key, const QVariant &value, HIdType type)
- template<typename K >
  void setMultiIdAttribute (K key, const Global_bit &value, HIdType type)
- OperatePtrList getAllOperates () const
- OperatePtrList getIdOperates () const
- OperatePtrList getNoIdOperates () const
- OperatePtrList getListAfter (const QDateTime &afterTime) const
- OperatePtrList getListIdAfter (const QDateTime &afterTime) const
- void addOperate (Operate id, bool saveToStorage=true)
- void addOperate (OperatePtr id, bool saveToStorage=true, bool isId=false)
- void addOperate (const QByteArray &data)
- void addOperations (const QByteArray &list)
- void addOperations (const OperatePtrList list, bool saveToStorage=true, bool isId=false)
- void addOperate (Attribute attributeKey, QVariant value, Account_bit userId, HIdType history=HIdType::Add↩
  Line, SIdType saved=SIdType::Local, QDateTime dTime=QDateTime::currentDateTime())
- void addOperate (Attribute attributeKey, QVariant value, quint32 userId, quint8 historyId, quint8 savedId, Q↩
  DateTime dTime=QDateTime::currentDateTime())
- template<typename K >
  void addOperate (K valueKey, QVariant value, Account_bit userId, HistoryIdType history, SavedIdType saved,
  QDateTime dTime=QDateTime::currentDateTime())
- template<typename K >
  void addOperate (K valueKey, QVariant value, quint32 userId, quint8 historyId, quint8 savedId, QDateTime
  dTime=QDateTime::currentDateTime())

Protected Member Functions

- virtual void saveToStorage (const OperatePtr ptr, bool isId=false)=0
- virtual SavedIdType savedStatus ()=0

Protected Attributes

- QDateTime m_lastUpdate
- OperatePtrList m_operateList
- OperatePtrList m_operateIdList
- Account_bit m_owner

Private Member Functions

- void refreshLastChangeTime ()
- Global_bit getIdAttribute (quint16 key)
- void setIdAttribute (quint16 key, const Global_bit &globalId)
- QVariant getAttribute (quint16 key) const
- QVariant getAttribute (const OperatePtrList &list, quint16 key) const
- void setAttribute (quint16 key, const QVariant &value, bool isId=false)
- QVariantList getMultiAttribute (const OperatePtrList &opList, quint16 key) const
- void setMultiAttribute (quint16 key, const QVariant &value, HIdType type, bool isId=false)
- GlobalList_bit getMultiIdAttribute (quint16 key) const
- void setMultiIdAttribute (quint16 key, const Global_bit &value, HIdType type)
- void addOperate (quint16 valueKey, QVariant value, Account_bit userId, HistoryIdType history, SavedIdType saved, bool isId=false, QDateTime dTime=QDateTime::currentDateTime())

Friends

- class AFlib::id::Object
- QDataStream & operator$<<$ (QDataStream &stream, const History &data)
- QDataStream & operator$>>$ (QDataStream &stream, History &data)

6.15.1 Detailed Description

Definition at line 46 of file afIdHistory.h.

6.15.2 Constructor & Destructor Documentation

6.15.2.1 History()

```
AFlib::id::History::History ( ) [explicit]
```

Definition at line 5 of file afIdHistory.cpp.

6.15.3 Member Function Documentation

6.15.3.1 addOperate() [1/8]

```
void AFlib::id::History::addOperate (
            Attribute attributeKey,
            QVariant value,
            Account_bit userId,
            HIdType history = HIdType::AddLine,
            SIdType saved = SIdType::Local,
            QDateTime dTime = QDateTime::currentDateTime() )
```

Definition at line 225 of file afIdHistory.cpp.

6.15.3.2 addOperate() [2/8]

```
void AFlib::id::History::addOperate (
            Attribute attributeKey,
            QVariant value,
            quint32 userId,
            quint8 historyId,
            quint8 savedId,
            QDateTime dTime = QDateTime::currentDateTime() )
```

Definition at line 231 of file afIdHistory.cpp.

6.15.3.3 addOperate() [3/8]

```
void AFlib::id::History::addOperate (
            const QByteArray & data )
```

Definition at line 205 of file afIdHistory.cpp.

6.15.3.4 addOperate() [4/8]

```
template<typename K >
void AFlib::id::History::addOperate (
            K valueKey,
            QVariant value,
            Account_bit userId,
            HistoryIdType history,
            SavedIdType saved,
            QDateTime dTime = QDateTime::currentDateTime() )  [inline]
```

Definition at line 132 of file afIdHistory.h.

6.15.3.5 addOperate() `[5/8]`

```
template<typename K >
void AFlib::id::History::addOperate (
            K valueKey,
            QVariant value,
            quint32 userId,
            quint8 historyId,
            quint8 savedId,
            QDateTime dTime = QDateTime::currentDateTime() )  [inline]
```

Definition at line 140 of file afIdHistory.h.

6.15.3.6 addOperate() `[6/8]`

```
void AFlib::id::History::addOperate (
            Operate id,
            bool saveToStorage = true )
```

Definition at line 335 of file afIdHistory.cpp.

6.15.3.7 addOperate() `[7/8]`

```
void AFlib::id::History::addOperate (
            OperatePtr id,
            bool saveToStorage = true,
            bool isId = false )
```

Definition at line 341 of file afIdHistory.cpp.

6.15.3.8 addOperate() `[8/8]`

```
void AFlib::id::History::addOperate (
            quint16 valueKey,
            QVariant value,
            Account_bit userId,
            HistoryIdType history,
            SavedIdType saved,
            bool isId = false,
            QDateTime dTime = QDateTime::currentDateTime() )  [private]
```

Definition at line 358 of file afIdHistory.cpp.

6.15.3.9 addOperations() [1/2]

```
void AFlib::id::History::addOperations (
            const OperatePtrList list,
            bool saveToStorage = true,
            bool isId = false )
```

Definition at line 219 of file afIdHistory.cpp.

6.15.3.10 addOperations() [2/2]

```
void AFlib::id::History::addOperations (
            const QByteArray & list )
```

Definition at line 210 of file afIdHistory.cpp.

6.15.3.11 getAllOperates()

```
AFlib::id::OperatePtrList AFlib::id::History::getAllOperates ( ) const
```

Definition at line 168 of file afIdHistory.cpp.

6.15.3.12 getAttribute() [1/4]

```
QVariant AFlib::id::History::getAttribute (
            Attribute key ) const
```

Definition at line 148 of file afIdHistory.cpp.

6.15.3.13 getAttribute() [2/4]

```
QVariant AFlib::id::History::getAttribute (
            const OperatePtrList & list,
            quint16 key ) const  [private]
```

Definition at line 257 of file afIdHistory.cpp.

6.15.3.14 getAttribute() [3/4]

```
template<typename K >
QVariant AFlib::id::History::getAttribute (
            K key ) const  [inline]
```

Definition at line 69 of file afIdHistory.h.

6.15.3.15 getAttribute() [4/4]

```
QVariant AFlib::id::History::getAttribute (
            quint16 key ) const  [private]
```

Definition at line 252 of file afIdHistory.cpp.

6.15.3.16 getIdAttribute() [1/2]

```
template<typename K >
Global_bit AFlib::id::History::getIdAttribute (
            K key ) const  [inline]
```

Definition at line 80 of file afIdHistory.h.

6.15.3.17 getIdAttribute() [2/2]

```
AFlib::id::Global_bit AFlib::id::History::getIdAttribute (
            quint16 key )  [private]
```

Definition at line 242 of file afIdHistory.cpp.

6.15.3.18 getIdOperates()

```
AFlib::id::OperatePtrList AFlib::id::History::getIdOperates ( ) const
```

Definition at line 173 of file afIdHistory.cpp.

6.15.3.19 getListAfter()

AFlib::id::OperatePtrList AFlib::id::History::getListAfter (
            const QDateTime & *afterTime*) const

Definition at line 183 of file afIdHistory.cpp.

6.15.3.20 getListIdAfter()

AFlib::id::OperatePtrList AFlib::id::History::getListIdAfter (
            const QDateTime & *afterTime*) const

Definition at line 194 of file afIdHistory.cpp.

6.15.3.21 getMultiAttribute() [1/3]

QVariantList AFlib::id::History::getMultiAttribute (
            Attribute *key*) const

Definition at line 158 of file afIdHistory.cpp.

6.15.3.22 getMultiAttribute() [2/3]

QVariantList AFlib::id::History::getMultiAttribute (
            const OperatePtrList & *opList,*
            quint16 *key*) const [private]

Definition at line 282 of file afIdHistory.cpp.

6.15.3.23 getMultiAttribute() [3/3]

template<typename K >
QVariantList AFlib::id::History::getMultiAttribute (
            K *key*) const [inline]

Definition at line 94 of file afIdHistory.h.

6.15.3.24 getMultiIdAttribute() `[1/2]`

```
template<typename K >
GlobalList_bit AFlib::id::History::getMultiIdAttribute (
            K key ) const  [inline]
```

Definition at line 99 of file afIdHistory.h.

6.15.3.25 getMultiIdAttribute() `[2/2]`

```
AFlib::id::GlobalList_bit AFlib::id::History::getMultiIdAttribute (
            quint16 key ) const  [private]
```

Definition at line 321 of file afIdHistory.cpp.

6.15.3.26 getNoIdOperates()

```
AFlib::id::OperatePtrList AFlib::id::History::getNoIdOperates ( ) const
```

Definition at line 178 of file afIdHistory.cpp.

6.15.3.27 haveUpdates()

```
bool AFlib::id::History::haveUpdates ( ) const
```

Definition at line 16 of file afIdHistory.cpp.

6.15.3.28 isEmpty()

```
bool AFlib::id::History::isEmpty ( ) const
```

Definition at line 21 of file afIdHistory.cpp.

6.15.3.29 lastChange()

```
QDateTime AFlib::id::History::lastChange ( ) const
```

Definition at line 32 of file afIdHistory.cpp.

6.15.3.30 lastUpdate()

```
QDateTime AFlib::id::History::lastUpdate ( ) const
```

Definition at line 44 of file afIdHistory.cpp.

6.15.3.31 makeFull()

```
void AFlib::id::History::makeFull (
            const QByteArray & data )
```

Definition at line 54 of file afIdHistory.cpp.

6.15.3.32 makeShorten() [1/2]

```
void AFlib::id::History::makeShorten ( )
```

Definition at line 112 of file afIdHistory.cpp.

6.15.3.33 makeShorten() [2/2]

```
void AFlib::id::History::makeShorten (
            OperatePtrList & list )
```

Definition at line 60 of file afIdHistory.cpp.

6.15.3.34 refreshLastChangeTime()

```
void AFlib::id::History::refreshLastChangeTime ( ) [private]
```

Definition at line 237 of file afIdHistory.cpp.

6.15.3.35 savedStatus()

```
virtual SavedIdType AFlib::id::History::savedStatus ( ) [protected], [pure virtual]
```

Implemented in AFlib::id::Object.

6.15.3.36 saveShorten()

```
void AFlib::id::History::saveShorten ( )
```

Definition at line 118 of file afIdHistory.cpp.

6.15.3.37 saveToStorage()

```
virtual void AFlib::id::History::saveToStorage (
            const OperatePtr ptr,
            bool isId = false )  [protected], [pure virtual]
```

Implemented in AFlib::id::Object.

6.15.3.38 setAttribute() [1/3]

```
void AFlib::id::History::setAttribute (
            Attribute key,
            QVariant value )
```

Definition at line 153 of file afIdHistory.cpp.

6.15.3.39 setAttribute() [2/3]

```
template<typename K >
void AFlib::id::History::setAttribute (
            K key,
            QVariant value )  [inline]
```

Definition at line 74 of file afIdHistory.h.

6.15.3.40 setAttribute() [3/3]

```
void AFlib::id::History::setAttribute (
            quint16 key,
            const QVariant & value,
            bool isId = false )  [private]
```

Definition at line 274 of file afIdHistory.cpp.

6.15.3.41 setIdAttribute() [1/2]

```
template<typename K >
void AFlib::id::History::setIdAttribute (
            K key,
            const Global_bit & value )  [inline]
```

Definition at line 85 of file afIdHistory.h.

6.15.3.42 setIdAttribute() [2/2]

```
void AFlib::id::History::setIdAttribute (
            quint16 key,
            const Global_bit & globalId )  [private]
```

Definition at line 247 of file afIdHistory.cpp.

6.15.3.43 setMultiAttribute() [1/3]

```
void AFlib::id::History::setMultiAttribute (
            Attribute key,
            QVariant value,
            HIdType type )
```

Definition at line 163 of file afIdHistory.cpp.

6.15.3.44 setMultiAttribute() [2/3]

```
template<typename K >
void AFlib::id::History::setMultiAttribute (
            K key,
            const QVariant & value,
            HIdType type )  [inline]
```

Definition at line 104 of file afIdHistory.h.

6.15.3.45 setMultiAttribute() [3/3]

```
void AFlib::id::History::setMultiAttribute (
            quint16 key,
            const QVariant & value,
            HIdType type,
            bool isId = false )  [private]
```

Definition at line 316 of file afIdHistory.cpp.

6.15.3.46 setMultiIdAttribute() [1/2]

```
template<typename K >
void AFlib::id::History::setMultiIdAttribute (
            K key,
            const Global_bit & value,
            HIdType type ) [inline]
```

Definition at line 109 of file afIdHistory.h.

6.15.3.47 setMultiIdAttribute() [2/2]

```
void AFlib::id::History::setMultiIdAttribute (
            quint16 key,
            const Global_bit & value,
            HIdType type ) [private]
```

Definition at line 330 of file afIdHistory.cpp.

6.15.3.48 timeCreate()

```
QDateTime AFlib::id::History::timeCreate ( ) const
```

Definition at line 49 of file afIdHistory.cpp.

6.15.3.49 updateTime()

```
void AFlib::id::History::updateTime (
            QDateTime dTime )
```

Definition at line 11 of file afIdHistory.cpp.

6.15.3.50 useCompress()

```
void AFlib::id::History::useCompress (
            Compress value )
```

Definition at line 123 of file afIdHistory.cpp.

6.15.4 Friends And Related Function Documentation

6.15.4.1 AFlib::id::Object

```
friend class AFlib::id::Object  [friend]
```

Definition at line 158 of file afIdHistory.h.

6.15.4.2 operator$<<$

```
QDataStream& operator<< (
            QDataStream & stream,
            const History & data ) [friend]
```

Definition at line 367 of file afIdHistory.cpp.

6.15.4.3 operator$>>$

```
QDataStream& operator>> (
            QDataStream & stream,
            History & data ) [friend]
```

Definition at line 372 of file afIdHistory.cpp.

6.15.5 Member Data Documentation

6.15.5.1 m_lastUpdate

```
QDateTime AFlib::id::History::m_lastUpdate  [protected]
```

Definition at line 148 of file afIdHistory.h.

6.15.5.2 m_operateIdList

```
OperatePtrList AFlib::id::History::m_operateIdList  [protected]
```

Definition at line 150 of file afIdHistory.h.

6.15.5.3 m_operateList

OperatePtrList AFlib::id::History::m_operateList [protected]

Definition at line 149 of file afIdHistory.h.

6.15.5.4 m_owner

Account_bit AFlib::id::History::m_owner [protected]

Definition at line 151 of file afIdHistory.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdHistory.h
- lib_baseAF/base/afIdHistory.cpp

6.16 AFaccount::Info Class Reference

#include <afAccountInfo.h>

Inheritance diagram for AFaccount::Info:
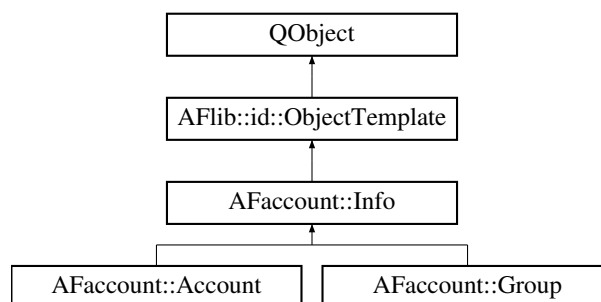
Public Slots

- virtual void setIcon (const QByteArray &icon) final
- virtual void setMail (const QString &mail) final

Signals

- void iconChanged (QString icon)
- void mailChanged (QString mail)

Public Member Functions

- Info (QObject ∗parent=nullptr)
- Info (AFlib::IdObjectPtr ptr, QObject ∗parent=nullptr)
- virtual QByteArray icon () const final
- virtual QString mail () const final
- operator QJsonObject () const
- virtual QJsonObject toJson () const

Properties

- QString mail

Additional Inherited Members

6.16.1 Detailed Description

Definition at line 18 of file afAccountInfo.h.

6.16.2 Constructor & Destructor Documentation

6.16.2.1 Info() **[1/2]**

```
AFaccount::Info::Info (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 6 of file afAccountInfo.cpp.

6.16.2.2 Info() **[2/2]**

```
AFaccount::Info::Info (
            AFlib::IdObjectPtr ptr,
            QObject * parent = nullptr )
```

Definition at line 17 of file afAccountInfo.cpp.

6.16.3 Member Function Documentation

6.16.3.1 icon()

```
QByteArray AFaccount::Info::icon ( ) const  [final], [virtual]
```

Definition at line 40 of file afAccountInfo.cpp.

6.16.3.2 iconChanged

```
void AFaccount::Info::iconChanged (
            QString icon )  [signal]
```

6.16.3.3 mail()

```
virtual QString AFaccount::Info::mail ( ) const  [final], [virtual]
```

6.16.3.4 mailChanged

```
void AFaccount::Info::mailChanged (
            QString mail )  [signal]
```

6.16.3.5 operator QJsonObject()

```
AFaccount::Info::operator QJsonObject ( ) const
```

Definition at line 63 of file afAccountInfo.cpp.

6.16.3.6 setIcon

```
void AFaccount::Info::setIcon (
            const QByteArray & icon )  [final], [virtual], [slot]
```

Definition at line 68 of file afAccountInfo.cpp.

6.16.3.7 setMail

```
void AFaccount::Info::setMail (
            const QString & mail ) [final], [virtual], [slot]
```

Definition at line 73 of file afAccountInfo.cpp.

6.16.3.8 toJson()

```
QJsonObject AFaccount::Info::toJson ( ) const [virtual]
```

Reimplemented in AFaccount::Account.

Definition at line 50 of file afAccountInfo.cpp.

6.16.4 Property Documentation

6.16.4.1 mail

```
QString AFaccount::Info::mail [read], [write]
```

Definition at line 22 of file afAccountInfo.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afAccountInfo.h
- lib_baseAF/account/afAccountInfo.cpp

6.17 AFquick::MenuModel Class Reference

```
#include <menuModel.h>
```

Inheritance diagram for AFquick::MenuModel:

```
┌─────────────────────┐
│  QAbstractListModel  │
└─────────────────────┘
           ▲
           │
┌─────────────────────┐
│  AFquick::MenuModel  │
└─────────────────────┘
```
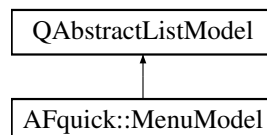
Public Slots

- void beginResetModelSlot ()
- void endResetModelSlot ()

Signals

- QString getNameByIndex (int index) const
- QString getIconByIndex (int index) const
- bool isCurrentByIndex (int index) const
- int getCount () const

Public Member Functions

- MenuModel (QObject ∗parent=nullptr)
- int rowCount (const QModelIndex &parent=QModelIndex()) const override
- QHash< int, QByteArray > roleNames () const override
- QVariant data (const QModelIndex &index, int role) const override
- void updateData ()

Private Types

- enum FieldName

Private Attributes

- int m_currentIndex
- QHash< int, QByteArray > m_roleNames

6.17.1 Detailed Description

Definition at line 15 of file menuModel.h.

6.17.2 Member Enumeration Documentation

6.17.2.1 FieldName

enum AFquick::MenuModel::FieldName [private]

Enumerator

IconPath	
Name	
IsCurrent	
Id	

Definition at line 38 of file menuModel.h.

6.17.3   Constructor & Destructor Documentation

6.17.3.1   MenuModel()

```
AFquick::MenuModel::MenuModel (
            QObject * parent = nullptr ) [explicit]
```

Definition at line 3 of file menuModel.cpp.

6.17.4   Member Function Documentation

6.17.4.1   beginResetModelSlot

```
void AFquick::MenuModel::beginResetModelSlot ( ) [slot]
```

Definition at line 41 of file menuModel.cpp.

6.17.4.2   data()

```
QVariant AFquick::MenuModel::data (
            const QModelIndex & index,
            int role ) const [override]
```

Definition at line 22 of file menuModel.cpp.

6.17.4.3   endResetModelSlot

```
void AFquick::MenuModel::endResetModelSlot ( ) [slot]
```

Definition at line 46 of file menuModel.cpp.

6.17.4.4   getCount

```
int AFquick::MenuModel::getCount ( ) const [signal]
```

6.17.4.5 getIconByIndex

```
QString AFquick::MenuModel::getIconByIndex (
            int index ) const  [signal]
```

6.17.4.6 getNameByIndex

```
QString AFquick::MenuModel::getNameByIndex (
            int index ) const  [signal]
```

6.17.4.7 isCurrentByIndex

```
bool AFquick::MenuModel::isCurrentByIndex (
            int index ) const  [signal]
```

6.17.4.8 roleNames()

```
QHash< int, QByteArray > AFquick::MenuModel::roleNames ( ) const  [override]
```

Definition at line 17 of file menuModel.cpp.

6.17.4.9 rowCount()

```
int AFquick::MenuModel::rowCount (
            const QModelIndex & parent = QModelIndex() ) const  [override]
```

Definition at line 11 of file menuModel.cpp.

6.17.4.10 updateData()

```
void AFquick::MenuModel::updateData ( )
```

Definition at line 36 of file menuModel.cpp.

6.17.5 Member Data Documentation

6.17.5.1 m_currentIndex

```
int AFquick::MenuModel::m_currentIndex [private]
```

Definition at line 45 of file menuModel.h.

6.17.5.2 m_roleNames

```
QHash<int, QByteArray> AFquick::MenuModel::m_roleNames [private]
```

Definition at line 46 of file menuModel.h.

The documentation for this class was generated from the following files:

- lib_quickAF/include/lib_quickAF/menuModel.h
- lib_quickAF/src/menuModel.cpp

6.18 AFquick::MenuSingle Struct Reference

```
#include <menuModel.h>
```

Public Attributes

- QString name
- QString iconPath

6.18.1 Detailed Description

Definition at line 9 of file menuModel.h.

6.18.2 Member Data Documentation

6.18.2.1 iconPath

```
QString AFquick::MenuSingle::iconPath
```

Definition at line 11 of file menuModel.h.

6.18.2.2 name

```
QString AFquick::MenuSingle::name
```

Definition at line 10 of file menuModel.h.

The documentation for this struct was generated from the following file:

- lib_quickAF/include/lib_quickAF/menuModel.h

6.19 AFlib::transfer::answer::Object Struct Reference

```
#include <afTransferOperateList.h>
```

Public Attributes

- AFlib::id::Account_bit owner
- AFlib::id::Object_bit object_local
- AFlib::id::Object_bit object_global

Friends

- QDataStream & operator<< (QDataStream &stream, const Object &data)
- QDataStream & operator>> (QDataStream &stream, Object &data)

6.19.1 Detailed Description

Definition at line 25 of file afTransferOperateList.h.

6.19.2 Friends And Related Function Documentation

6.19.2.1 operator<<

```
QDataStream& operator<< (
            QDataStream & stream,
            const Object & data )  [friend]
```

Definition at line 32 of file afTransferOperateList.cpp.

6.19.2.2 operator$>>$

```
QDataStream& operator>> (
            QDataStream & stream,
            Object & data ) [friend]
```

Definition at line 37 of file afTransferOperateList.cpp.

6.19.3 Member Data Documentation

6.19.3.1 object_global

AFlib::id::Object_bit AFlib::transfer::answer::Object::object_global

Definition at line 28 of file afTransferOperateList.h.

6.19.3.2 object_local

AFlib::id::Object_bit AFlib::transfer::answer::Object::object_local

Definition at line 27 of file afTransferOperateList.h.

6.19.3.3 owner

AFlib::id::Account_bit AFlib::transfer::answer::Object::owner

Definition at line 26 of file afTransferOperateList.h.

The documentation for this struct was generated from the following file:

- lib_baseAF/include/lib_baseAF/afTransferOperateList.h

6.20 AFlib::id::Object Class Reference

```
#include <afIdObject.h>
```

Inheritance diagram for AFlib::id::Object:
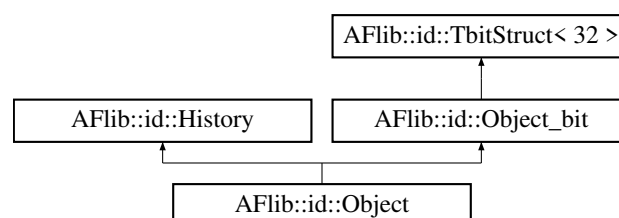
Public Member Functions

- Object ()
- Object (const QByteArray &data)
- Object (const Object &cpObject)
- Object (const Object ∗cpObject)
- virtual ∼Object ()
- void makeGlobalId (id::Object_bit newId)
- virtual Global_bit globalId () const final
- virtual quint64 global () const final
- virtual QString name () const final
- virtual QString description () const final
- virtual Object_bit localId_b () const final
- virtual quint32 localId () const final
- virtual void setName (const QString &name) final
- virtual void setDescription (const QString &description) final
- virtual Object_bit parent () const final
- virtual void setParent (Object_bit obj_b) final
- Account_bit owner () const
- operator QByteArray () const
- QByteArray getData () const
- SavedIdType savedStatus () override
- virtual bool setOwner (const Account_bit &owner) final
- virtual bool isAccount () const final

Static Public Member Functions

- static ObjectPtr createPtr ()
- static QByteArray listToBytaArray (const ObjectPtrV list)
- static AFlib::id::ObjectPtrV readList (const QByteArray &data)
- static AFlib::id::ObjectPtr readList (const QByteArray &data, const Obj_bit id)
- static AFlib::id::ObjectPtrV readList (const QByteArray &data, const ObjectPtrV list)
- static AFlib::id::ObjectPtrV readFromFile (const QStringList &dPath, FileType type)
- static AFlib::id::ObjectPtr readFromFile (const QStringList &dPath, FileType type, const AFlib::id::Obj_bit &id)
- static AFlib::id::ObjectPtrV readFromFile (const QStringList &dPath, FileType type, const ObjectPtrV list)

Private Member Functions

- Object (Account_bit owner, quint8 pluginId, quint8 typeId, QString name="", QString descr="")
- void saveToStorage (const OperatePtr ptr, bool isId=false) override final
- bool setUniqueId ()

Friends

- class AFlib::id::ObjectTemplate
- QDataStream & operator<< (QDataStream &stream, const Object &data)
- QDataStream & operator>> (QDataStream &stream, Object &data)

Additional Inherited Members

6.20.1 Detailed Description

Definition at line 15 of file afIdObject.h.

6.20.2 Constructor & Destructor Documentation

6.20.2.1 Object() **[1/5]**

```
AFlib::id::Object::Object ( )  [explicit]
```

Definition at line 7 of file afIdObject.cpp.

6.20.2.2 Object() **[2/5]**

```
AFlib::id::Object::Object (
            const QByteArray & data )
```

Definition at line 17 of file afIdObject.cpp.

6.20.2.3 Object() **[3/5]**

```
AFlib::id::Object::Object (
            const Object & cpObject )
```

Definition at line 24 of file afIdObject.cpp.

6.20.2.4 Object() **[4/5]**

```
AFlib::id::Object::Object (
            const Object * cpObject )
```

Definition at line 31 of file afIdObject.cpp.

6.20.2.5 ∼Object()

```
virtual AFlib::id::Object::∼Object ( )  [inline], [virtual]
```

Definition at line 22 of file afIdObject.h.

6.20.2.6 Object() [5/5]

```
AFlib::id::Object::Object (
            id::Account_bit owner,
            quint8 pluginId,
            quint8 typeId,
            QString name = "",
            QString descr = "" )  [private]
```

Definition at line 38 of file afIdObject.cpp.

6.20.3 Member Function Documentation

6.20.3.1 createPtr()

```
AFlib::id::ObjectPtr AFlib::id::Object::createPtr ( )  [static]
```

Definition at line 57 of file afIdObject.cpp.

6.20.3.2 description()

```
QString AFlib::id::Object::description ( ) const  [final], [virtual]
```

Definition at line 78 of file afIdObject.cpp.

6.20.3.3 getData()

```
QByteArray AFlib::id::Object::getData ( ) const
```

Definition at line 117 of file afIdObject.cpp.

6.20.3.4 global()

```
quint64 AFlib::id::Object::global ( ) const  [final], [virtual]
```

Definition at line 68 of file afIdObject.cpp.

6.20.3.5 globalId()

```
AFlib::id::Global_bit AFlib::id::Object::globalId ( ) const  [final], [virtual]
```

Definition at line 63 of file afIdObject.cpp.

6.20.3.6 isAccount()

```
bool AFlib::id::Object::isAccount ( ) const  [final], [virtual]
```

Definition at line 148 of file afIdObject.cpp.

6.20.3.7 listToBytaArray()

```
QByteArray AFlib::id::Object::listToBytaArray (
            const ObjectPtrV list )  [static]
```

Definition at line 153 of file afIdObject.cpp.

6.20.3.8 localId()

```
quint32 AFlib::id::Object::localId ( ) const  [final], [virtual]
```

Definition at line 92 of file afIdObject.cpp.

6.20.3.9 localId_b()

```
AFlib::id::Object_bit AFlib::id::Object::localId_b ( ) const  [final], [virtual]
```

Definition at line 83 of file afIdObject.cpp.

6.20.3.10 makeGlobalId()

```
void AFlib::id::Object::makeGlobalId (
            id::Object_bit newId )
```

Definition at line 51 of file afIdObject.cpp.

6.20.3.11 name()

```
QString AFlib::id::Object::name ( ) const  [final], [virtual]
```

Definition at line 73 of file afIdObject.cpp.

6.20.3.12 operator QByteArray()

```
AFlib::id::Object::operator QByteArray ( ) const
```

Definition at line 131 of file afIdObject.cpp.

6.20.3.13 owner()

```
Account_bit AFlib::id::Object::owner ( ) const  [inline]
```

Definition at line 43 of file afIdObject.h.

6.20.3.14 parent()

```
AFlib::id::Object_bit AFlib::id::Object::parent ( ) const  [final], [virtual]
```

Definition at line 107 of file afIdObject.cpp.

6.20.3.15 readFromFile() [1/3]

```
AFlib::id::ObjectPtrV AFlib::id::Object::readFromFile (
            const QStringList & dPath,
            FileType type )  [static]
```

Definition at line 236 of file afIdObject.cpp.

6.20.3.16   readFromFile() [2/3]

AFlib::id::ObjectPtr AFlib::id::Object::readFromFile (
              const QStringList & *dPath,*
              FileType *type,*
              const AFlib::id::Obj_bit & *id*)   [static]

Definition at line 245 of file afIdObject.cpp.

6.20.3.17   readFromFile() [3/3]

AFlib::id::ObjectPtrV AFlib::id::Object::readFromFile (
              const QStringList & *dPath,*
              FileType *type,*
              const ObjectPtrV *list*)   [static]

Definition at line 254 of file afIdObject.cpp.

6.20.3.18   readList() [1/3]

AFlib::id::ObjectPtrV AFlib::id::Object::readList (
              const QByteArray & *data*)   [static]

Definition at line 184 of file afIdObject.cpp.

6.20.3.19   readList() [2/3]

AFlib::id::ObjectPtr AFlib::id::Object::readList (
              const QByteArray & *data,*
              const Obj_bit *id*)   [static]

Definition at line 192 of file afIdObject.cpp.

6.20.3.20   readList() [3/3]

AFlib::id::ObjectPtrV AFlib::id::Object::readList (
              const QByteArray & *data,*
              const ObjectPtrV *list*)   [static]

Definition at line 206 of file afIdObject.cpp.

6.20.3.21 savedStatus()

AFlib::SavedIdType AFlib::id::Object::savedStatus ( ) `[override], [virtual]`

Implements AFlib::id::History.

Definition at line 122 of file afIdObject.cpp.

6.20.3.22 saveToStorage()

```
void AFlib::id::Object::saveToStorage (
            const OperatePtr ptr,
            bool isId = false ) [final], [override], [private], [virtual]
```

Implements AFlib::id::History.

Definition at line 263 of file afIdObject.cpp.

6.20.3.23 setDescription()

```
void AFlib::id::Object::setDescription (
            const QString & description ) [final], [virtual]
```

Definition at line 102 of file afIdObject.cpp.

6.20.3.24 setName()

```
void AFlib::id::Object::setName (
            const QString & name ) [final], [virtual]
```

Definition at line 97 of file afIdObject.cpp.

6.20.3.25 setOwner()

```
bool AFlib::id::Object::setOwner (
            const Account_bit & owner ) [final], [virtual]
```

Function set owner, only work if history is empty (empty exists create and date time operate).

Parameters

owner	Owner id.

Returns

Return result of set new id, return false if history is not empty.

Definition at line 139 of file afIdObject.cpp.

6.20.3.26 setParent()

```
void AFlib::id::Object::setParent (
            Object_bit obj_b ) [final], [virtual]
```

Definition at line 112 of file afIdObject.cpp.

6.20.3.27 setUniqueId()

```
bool AFlib::id::Object::setUniqueId ( ) [private]
```

Definition at line 268 of file afIdObject.cpp.

6.20.4 Friends And Related Function Documentation

6.20.4.1 AFlib::id::ObjectTemplate

```
friend class AFlib::id::ObjectTemplate [friend]
```

Definition at line 77 of file afIdObject.h.

6.20.4.2 operator$<<$

```
QDataStream& operator<< (
            QDataStream & stream,
            const Object & data ) [friend]
```

Definition at line 163 of file afIdObject.cpp.

6.20.4.3 operator$>>$

```
QDataStream& operator>> (
            QDataStream & stream,
            Object & data ) [friend]
```

Definition at line 176 of file afIdObject.cpp.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdObject.h
- lib_baseAF/base/afIdObject.cpp

6.21 AFlib::id::Object_bit Struct Reference

The Function class.

```
#include <afIdObjectBit.h>
```

Inheritance diagram for AFlib::id::Object_bit:
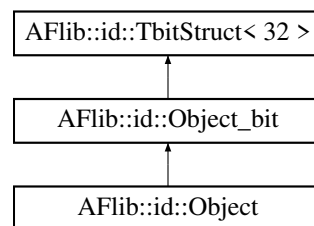
Public Member Functions

- Object_bit (quint32 id=0)
- Object_bit (quint8 plugin, quint8 type)
- AFlib::id::Object_bit object_b () const
- bool isIdLocal () const
- bool isEmpty () const
- quint8 type () const
- quint32 id () const
- quint32 uniqueId () const
- quint8 pluginId () const
- template<typename N >
  N type () const
- template<typename N >
  N plugin () const

Static Public Member Functions

- static quint32 createLocalId ()
- static quint32 createGlobalId ()

Private Member Functions

- Object_bit (quint8 plugin, quint8 type, quint32 uid)
- void setType (quint8 type)
- void setId (quint32 id)
- void setUniqueId (quint32 id)
- void setPluginId (quint8 id)
- void setId (Object_bit id)
- template<typename N >
  void setType (N type)
- template<typename N >
  void setPlugin (N id)

Friends

- class AFlib::id::Object
- class AFlib::Storage
- QDataStream & operator<< (QDataStream &s, const Object_bit &obj)
- QDataStream & operator>> (QDataStream &s, Object_bit &obj)

Additional Inherited Members

6.21.1   Detailed Description

The Function class.

Bit table, total size **28**

		OBJECT BIT ID TABLE		Size	Description	
	24	16	8	0		
*	########	########	####oooo	oooooooo	20	object unique id by current types
*	oooooooo	oooooooo	oooo####	###ooooo	7	type of object
*	oooooooo	oooooooo	oooooooo	ooo#####	5	plugin id, 0 - mean global variable

Definition at line 58 of file afIdObjectBit.h.

6.21.2   Constructor & Destructor Documentation

6.21.2.1   Object_bit() [1/3]

```
AFlib::id::Object_bit::Object_bit (
            quint32 id = 0 )  [explicit]
```

Definition at line 4 of file afIdObjectBit.cpp.

6.21.2.2 Object_bit() [2/3]

```
AFlib::id::Object_bit::Object_bit (
            quint8 plugin,
            quint8 type )
```

Definition at line 9 of file afIdObjectBit.cpp.

6.21.2.3 Object_bit() [3/3]

```
AFlib::id::Object_bit::Object_bit (
            quint8 plugin,
            quint8 type,
            quint32 uid )  [private]
```

Definition at line 41 of file afIdObjectBit.cpp.

6.21.3 Member Function Documentation

6.21.3.1 createGlobalId()

```
quint32 AFlib::id::Object_bit::createGlobalId ( )  [static]
```

Definition at line 36 of file afIdObjectBit.cpp.

6.21.3.2 createLocalId()

```
quint32 AFlib::id::Object_bit::createLocalId ( )  [static]
```

Definition at line 30 of file afIdObjectBit.cpp.

6.21.3.3 id()

```
quint32 AFlib::id::Object_bit::id ( ) const  [inline]
```

Definition at line 71 of file afIdObjectBit.h.

6.21.3.4 isEmpty()

```
bool AFlib::id::Object_bit::isEmpty ( ) const
```

Definition at line 25 of file afIdObjectBit.cpp.

6.21.3.5 isIdLocal()

```
bool AFlib::id::Object_bit::isIdLocal ( ) const
```

Definition at line 20 of file afIdObjectBit.cpp.

6.21.3.6 object_b()

```
AFlib::id::Object_bit AFlib::id::Object_bit::object_b ( ) const
```

Definition at line 15 of file afIdObjectBit.cpp.

6.21.3.7 plugin()

```
template<typename N >
N AFlib::id::Object_bit::plugin ( ) const  [inline]
```

Definition at line 76 of file afIdObjectBit.h.

6.21.3.8 pluginId()

```
quint8 AFlib::id::Object_bit::pluginId ( ) const  [inline]
```

Definition at line 73 of file afIdObjectBit.h.

6.21.3.9 setId() **[1/2]**

```
void AFlib::id::Object_bit::setId (
            Object_bit id ) [inline], [private]
```

Definition at line 86 of file afIdObjectBit.h.

6.21.3.10 setId() [2/2]

```
void AFlib::id::Object_bit::setId (
          quint32 id ) [inline], [private]
```

Definition at line 82 of file afIdObjectBit.h.

6.21.3.11 setPlugin()

```
template<typename N >
void AFlib::id::Object_bit::setPlugin (
          N id ) [inline], [private]
```

Definition at line 89 of file afIdObjectBit.h.

6.21.3.12 setPluginId()

```
void AFlib::id::Object_bit::setPluginId (
          quint8 id ) [inline], [private]
```

Definition at line 84 of file afIdObjectBit.h.

6.21.3.13 setType() [1/2]

```
template<typename N >
void AFlib::id::Object_bit::setType (
          N type ) [inline], [private]
```

Definition at line 88 of file afIdObjectBit.h.

6.21.3.14 setType() [2/2]

```
void AFlib::id::Object_bit::setType (
          quint8 type ) [inline], [private]
```

Definition at line 81 of file afIdObjectBit.h.

6.21.3.15 setUniqueId()

```
void AFlib::id::Object_bit::setUniqueId (
            quint32 id )  [inline], [private]
```

Definition at line 83 of file afIdObjectBit.h.

6.21.3.16 type() [1/2]

```
quint8 AFlib::id::Object_bit::type ( ) const  [inline]
```

Definition at line 70 of file afIdObjectBit.h.

6.21.3.17 type() [2/2]

```
template<typename N >
N AFlib::id::Object_bit::type ( ) const  [inline]
```

Definition at line 75 of file afIdObjectBit.h.

6.21.3.18 uniqueId()

```
quint32 AFlib::id::Object_bit::uniqueId ( ) const  [inline]
```

Definition at line 72 of file afIdObjectBit.h.

6.21.4 Friends And Related Function Documentation

6.21.4.1 AFlib::id::Object

```
friend class AFlib::id::Object  [friend]
```

Definition at line 91 of file afIdObjectBit.h.

6.21.4.2 AFlib::Storage

```
friend class AFlib::Storage  [friend]
```

Definition at line 92 of file afIdObjectBit.h.

6.21.4.3 operator$<<$

```
QDataStream& operator<< (
            QDataStream & s,
            const Object_bit & obj )  [friend]
```

Definition at line 94 of file afIdObjectBit.h.

6.21.4.4 operator$>>$

```
QDataStream& operator>> (
            QDataStream & s,
            Object_bit & obj )  [friend]
```

Definition at line 97 of file afIdObjectBit.h.

The documentation for this struct was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdObjectBit.h
- lib_baseAF/base/afIdObjectBit.cpp

6.22 AFlib::transfer::send::Objects Struct Reference

```
#include <afTransferOperateList.h>
```

Inheritance diagram for AFlib::transfer::send::Objects:
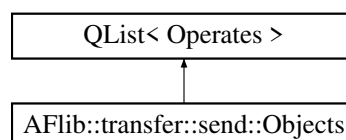
Public Member Functions

- void addOperate (id::Global_bit id, id::OperatePtrList list, bool isId)
- void addOperate (id::Global_bit id, id::OperatePtr operate, bool isId)

Public Attributes

- QStringList dPath
- FileType fileType
- id::ObjectPtr object

Friends

- QDataStream & operator<< (QDataStream &stream, Objects &data)
- QDataStream & operator>> (QDataStream &stream, Objects &data)

6.22.1 Detailed Description

Definition at line 71 of file afTransferOperateList.h.

6.22.2 Member Function Documentation

6.22.2.1 addOperate() [1/2]

```
void AFlib::transfer::send::Objects::addOperate (
            id::Global_bit id,
            id::OperatePtr operate,
            bool isId )
```

Definition at line 23 of file afTransferOperateList.cpp.

6.22.2.2 addOperate() [2/2]

```
void AFlib::transfer::send::Objects::addOperate (
            id::Global_bit id,
            id::OperatePtrList list,
            bool isId )
```

Definition at line 3 of file afTransferOperateList.cpp.

6.22.3 Friends And Related Function Documentation

6.22.3.1 operator$<<$

```
QDataStream& operator<< (
            QDataStream & stream,
            Objects & data )  [friend]
```

Definition at line 173 of file afTransferOperateList.cpp.

6.22.3.2 operator$>>$

```
QDataStream& operator>> (
            QDataStream & stream,
            Objects & data )  [friend]
```

Definition at line 162 of file afTransferOperateList.cpp.

6.22.4 Member Data Documentation

6.22.4.1 dPath

```
QStringList AFlib::transfer::send::Objects::dPath
```

Definition at line 72 of file afTransferOperateList.h.

6.22.4.2 fileType

```
FileType AFlib::transfer::send::Objects::fileType
```

Definition at line 73 of file afTransferOperateList.h.

6.22.4.3 object

```
id::ObjectPtr AFlib::transfer::send::Objects::object
```

Definition at line 77 of file afTransferOperateList.h.

The documentation for this struct was generated from the following files:

- lib_baseAF/include/lib_baseAF/afTransferOperateList.h
- lib_baseAF/tool/afTransferOperateList.cpp

6.23 AFlib::id::ObjectTemplate Class Reference

```
#include <afIdObjectTemplate.h>
```

Inheritance diagram for AFlib::id::ObjectTemplate:

```
┌─────────────────────────┐
│         QObject          │
└─────────────────────────┘
             ▲
┌─────────────────────────┐
│ AFlib::id::ObjectTemplate │
└─────────────────────────┘
             ▲
┌─────────────────────────┐
│      AFaccount::Info     │
└─────────────────────────┘
             ▲
     ┌───────┴───────┐
┌──────────────────┐ ┌──────────────────┐
│ AFaccount::Account │ │  AFaccount::Group │
└──────────────────┘ └──────────────────┘
```
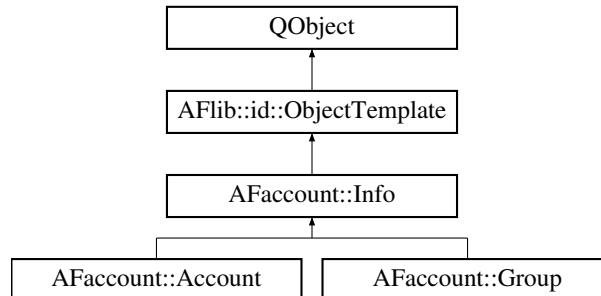
Public Member Functions

- ObjectTemplate (quint8 plugin, quint8 type, QObject ∗parent=nullptr)
- ObjectTemplate (quint8 plugin, quint8 type, QStringList subDPath, QObject ∗parent=nullptr)
- ObjectTemplate (quint8 plugin, quint8 type, FileType fileType, QStringList subDPath, QObject ∗parent=nullptr)
- ObjectTemplate (quint8 plugin, quint8 type, FileType fileType, QObject ∗parent=nullptr)
- ObjectTemplate (ObjectPtr ptr, QObject ∗parent=nullptr)
- virtual ∼ObjectTemplate ()=default
- const Object ∗ afObject () const
- ObjectPtr afObjectPtr () const
- Account_bit owner () const
- Object_bit object_b () const
- virtual bool save () final

Protected Attributes

- QStringList m_subDPath
- FileType m_fileType
- ObjectPtr m_ptr

6.23.1 Detailed Description

Definition at line 7 of file afIdObjectTemplate.h.

6.23.2 Constructor & Destructor Documentation

6.23.2.1 ObjectTemplate() [1/5]

```
AFlib::id::ObjectTemplate::ObjectTemplate (
            quint8 plugin,
            quint8 type,
            QObject * parent = nullptr )  [explicit]
```

Definition at line 5 of file afIdObjectTemplate.cpp.

6.23.2.2 ObjectTemplate() [2/5]

```
AFlib::id::ObjectTemplate::ObjectTemplate (
            quint8 plugin,
            quint8 type,
            QStringList subDPath,
            QObject * parent = nullptr )
```

Definition at line 11 of file afIdObjectTemplate.cpp.

6.23.2.3 ObjectTemplate() [3/5]

```
AFlib::id::ObjectTemplate::ObjectTemplate (
            quint8 plugin,
            quint8 type,
            FileType fileType,
            QStringList subDPath,
            QObject * parent = nullptr )
```

Definition at line 19 of file afIdObjectTemplate.cpp.

6.23.2.4 ObjectTemplate() [4/5]

```
AFlib::id::ObjectTemplate::ObjectTemplate (
            quint8 plugin,
            quint8 type,
            FileType fileType,
            QObject * parent = nullptr )
```

Definition at line 30 of file afIdObjectTemplate.cpp.

6.23.2.5 ObjectTemplate() **[5/5]**

```
AFlib::id::ObjectTemplate::ObjectTemplate (
          ObjectPtr ptr,
          QObject * parent = nullptr )
```

Definition at line 37 of file afIdObjectTemplate.cpp.

6.23.2.6 ∼ObjectTemplate()

```
virtual AFlib::id::ObjectTemplate::∼ObjectTemplate ( )  [virtual], [default]
```

6.23.3 Member Function Documentation

6.23.3.1 afObject()

```
const AFlib::id::Object * AFlib::id::ObjectTemplate::afObject ( ) const
```

Definition at line 52 of file afIdObjectTemplate.cpp.

6.23.3.2 afObjectPtr()

```
AFlib::id::ObjectPtr AFlib::id::ObjectTemplate::afObjectPtr ( ) const
```

Definition at line 57 of file afIdObjectTemplate.cpp.

6.23.3.3 object_b()

```
AFlib::id::Object_bit AFlib::id::ObjectTemplate::object_b ( ) const
```

Definition at line 67 of file afIdObjectTemplate.cpp.

6.23.3.4 owner()

```
AFlib::id::Account_bit AFlib::id::ObjectTemplate::owner ( ) const
```

Definition at line 62 of file afIdObjectTemplate.cpp.

6.23.3.5 save()

```
bool AFlib::id::ObjectTemplate::save ( )  [final], [virtual]
```

Definition at line 72 of file afIdObjectTemplate.cpp.

6.23.4 Member Data Documentation

6.23.4.1 m_fileType

```
FileType AFlib::id::ObjectTemplate::m_fileType  [protected]
```

Definition at line 26 of file afIdObjectTemplate.h.

6.23.4.2 m_ptr

```
ObjectPtr AFlib::id::ObjectTemplate::m_ptr  [protected]
```

Definition at line 27 of file afIdObjectTemplate.h.

6.23.4.3 m_subDPath

```
QStringList AFlib::id::ObjectTemplate::m_subDPath  [protected]
```

Definition at line 25 of file afIdObjectTemplate.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdObjectTemplate.h
- lib_baseAF/base/afIdObjectTemplate.cpp

6.24 AFlib::id::Operate Class Reference

```
#include <afIdOperate.h>
```

Inheritance diagram for AFlib::id::Operate:
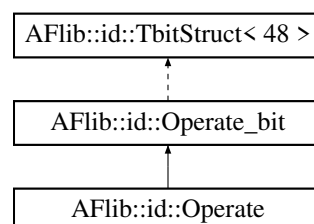
Public Member Functions

- Operate (Account_bit userId=Account_bit(), HistoryIdType history=HistoryIdType::First, SavedIdType saved=SavedIdType::Local, QVariant value=QVariant(), quint16 valueKey=0, QDateTime dTime=QDate↩Time::currentDateTime())
- Operate (const Operate &copy)
- Operate (const QByteArray &data)
- virtual ∼Operate ()
- operator QByteArray () const
- QByteArray getData () const
- QDateTime datetime () const
- void setDatetime (const QDateTime &datetime)
- QVariant value () const
- void setValue (const QVariant &value)

Private Member Functions

- Global_bit valueId () const
- void setValueId (Global_bit newId)

Private Attributes

- QDateTime m_datetime
- QVariant m_value

Friends

- class History
- class Object
- class AFlib::Storage

Additional Inherited Members

6.24.1 Detailed Description

Definition at line 67 of file afIdOperate.h.

6.24.2 Constructor & Destructor Documentation

6.24.2.1 Operate() **[1/3]**

```
AFlib::id::Operate::Operate (
            Account_bit userId = Account_bit(),
            HistoryIdType history = HistoryIdType::First,
            SavedIdType saved = SavedIdType::Local,
            QVariant value = QVariant(),
            quint16 valueKey = 0,
            QDateTime dTime = QDateTime::currentDateTime() )  [explicit]
```

Definition at line 21 of file afIdOperate.cpp.

6.24.2.2 Operate() **[2/3]**

```
AFlib::id::Operate::Operate (
            const Operate & copy )
```

Definition at line 33 of file afIdOperate.cpp.

6.24.2.3 Operate() **[3/3]**

```
AFlib::id::Operate::Operate (
            const QByteArray & data )
```

Definition at line 41 of file afIdOperate.cpp.

6.24.2.4 ∼Operate()

```
AFlib::id::Operate::∼Operate ( )  [virtual]
```

Definition at line 48 of file afIdOperate.cpp.

6.24.3 Member Function Documentation

6.24.3.1 datetime()

```
QDateTime AFlib::id::Operate::datetime ( ) const  [inline]
```

Definition at line 84 of file afIdOperate.h.

Generated by Doxygen

6.24.3.2 getData()

```
QByteArray AFlib::id::Operate::getData ( ) const
```

Definition at line 53 of file afIdOperate.cpp.

6.24.3.3 operator QByteArray()

```
AFlib::id::Operate::operator QByteArray ( ) const
```

Definition at line 58 of file afIdOperate.cpp.

6.24.3.4 setDatetime()

```
void AFlib::id::Operate::setDatetime (
            const QDateTime & datetime )
```

Definition at line 69 of file afIdOperate.cpp.

6.24.3.5 setValue()

```
void AFlib::id::Operate::setValue (
            const QVariant & value )
```

Definition at line 6 of file afIdOperate.cpp.

6.24.3.6 setValueId()

```
void AFlib::id::Operate::setValueId (
            Global_bit newId )  [private]
```

Definition at line 16 of file afIdOperate.cpp.

6.24.3.7 value()

```
QVariant AFlib::id::Operate::value ( ) const  [inline]
```

Definition at line 87 of file afIdOperate.h.

6.24.3.8 valueId()

AFlib::id::Global_bit AFlib::id::Operate::valueId ( ) const [private]

Definition at line 11 of file afIdOperate.cpp.

6.24.4 Friends And Related Function Documentation

6.24.4.1 AFlib::Storage

friend class AFlib::Storage [friend]

Definition at line 97 of file afIdOperate.h.

6.24.4.2 History

friend class History [friend]

Definition at line 95 of file afIdOperate.h.

6.24.4.3 Object

friend class Object [friend]

Definition at line 96 of file afIdOperate.h.

6.24.5 Member Data Documentation

6.24.5.1 m_datetime

QDateTime AFlib::id::Operate::m_datetime [private]

Definition at line 91 of file afIdOperate.h.

6.24.5.2 m_value

```
QVariant AFlib::id::Operate::m_value  [private]
```

Definition at line 92 of file afIdOperate.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdOperate.h
- lib_baseAF/base/afIdOperate.cpp

6.25 AFlib::id::Operate_bit Struct Reference

```
#include <afIdOperate.h>
```

Inheritance diagram for AFlib::id::Operate_bit:
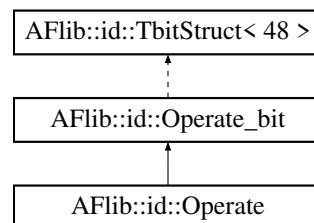
Public Member Functions

- Account_bit user () const
- quint32 userId () const
- HIdType historyType () const
- SIdType saveType () const
- quint16 key () const
- quint8 reserved () const
- void setReserved (quint8 r)

Protected Member Functions

- virtual void setUserId (quint32 id) final
- virtual void setUserId (Acc_bit id) final
- virtual void setHistoryType (quint8 type) final
- virtual void setHistoryType (HIdType type) final
- virtual bool setSaveType (quint8 type) final
- virtual bool setSaveType (SIdType type) final
- virtual void setKey (quint16 key) final

Friends

- QDataStream & operator$<<$ (QDataStream &s, const Operate_bit &op)
- QDataStream & operator$>>$ (QDataStream &s, Operate_bit &op)

Additional Inherited Members

6.25.1 Detailed Description

Definition at line 32 of file afIdOperate.h.

6.25.2 Member Function Documentation

6.25.2.1 historyType()

[HIdType](#) AFlib::id::Operate_bit::historyType ( ) const [inline]

Definition at line 36 of file afIdOperate.h.

6.25.2.2 key()

quint16 AFlib::id::Operate_bit::key ( ) const [inline]

Definition at line 38 of file afIdOperate.h.

6.25.2.3 reserved()

quint8 AFlib::id::Operate_bit::reserved ( ) const [inline]

Definition at line 40 of file afIdOperate.h.

6.25.2.4 saveType()

[SIdType](#) AFlib::id::Operate_bit::saveType ( ) const [inline]

Definition at line 37 of file afIdOperate.h.

6.25.2.5 setHistoryType() [1/2]

```
virtual void AFlib::id::Operate_bit::setHistoryType (
            HIdType type ) [inline], [final], [protected], [virtual]
```

Definition at line 48 of file afIdOperate.h.

6.25.2.6 setHistoryType() [2/2]

```
virtual void AFlib::id::Operate_bit::setHistoryType (
            quint8 type ) [inline], [final], [protected], [virtual]
```

Definition at line 47 of file afIdOperate.h.

6.25.2.7 setKey()

```
virtual void AFlib::id::Operate_bit::setKey (
            quint16 key ) [inline], [final], [protected], [virtual]
```

Definition at line 53 of file afIdOperate.h.

6.25.2.8 setReserved()

```
void AFlib::id::Operate_bit::setReserved (
            quint8 r ) [inline]
```

Definition at line 41 of file afIdOperate.h.

6.25.2.9 setSaveType() [1/2]

```
bool AFlib::id::Operate_bit::setSaveType (
            quint8 type ) [final], [protected], [virtual]
```

Definition at line 94 of file afIdOperate.cpp.

6.25.2.10 setSaveType() [2/2]

```
bool AFlib::id::Operate_bit::setSaveType (
            SIdType type ) [final], [protected], [virtual]
```

Definition at line 99 of file afIdOperate.cpp.

6.25.2.11 setUserId() [1/2]

```
virtual void AFlib::id::Operate_bit::setUserId (
            Acc_bit id ) [inline], [final], [protected], [virtual]
```

Definition at line 45 of file afIdOperate.h.

6.25.2.12 setUserId() [2/2]

```
virtual void AFlib::id::Operate_bit::setUserId (
            quint32 id ) [inline], [final], [protected], [virtual]
```

Definition at line 44 of file afIdOperate.h.

6.25.2.13 user()

```
Account_bit AFlib::id::Operate_bit::user ( ) const [inline]
```

Definition at line 34 of file afIdOperate.h.

6.25.2.14 userId()

```
quint32 AFlib::id::Operate_bit::userId ( ) const [inline]
```

Definition at line 35 of file afIdOperate.h.

6.25.3 Friends And Related Function Documentation

6.25.3.1 operator$\ll$

```
QDataStream& operator<< (
            QDataStream & s,
            const Operate_bit & op ) [friend]
```

Definition at line 56 of file afIdOperate.h.

6.25.3.2 operator$\gg$

```
QDataStream& operator>> (
            QDataStream & s,
            Operate_bit & op ) [friend]
```

Definition at line 59 of file afIdOperate.h.

The documentation for this struct was generated from the following files:

- lib_baseAF/include/lib_baseAF/afIdOperate.h
- lib_baseAF/base/afIdOperate.cpp

6.26 AFlib::transfer::send::Operates Struct Reference

`#include <afTransferOperateList.h>`

Public Member Functions

- Operates ()
- Operates (id::Global_bit globalId)

Public Attributes

- id::Global_bit globalId
- id::OperatePtrList operateList
- id::OperatePtrList operateIdList

Friends

- QDataStream & operator<< (QDataStream &stream, const Operates &data)
- QDataStream & operator>> (QDataStream &stream, Operates &data)

6.26.1 Detailed Description

Definition at line 59 of file afTransferOperateList.h.

6.26.2 Constructor & Destructor Documentation

6.26.2.1 Operates() [1/2]

`AFlib::transfer::send::Operates::Operates ( ) [inline]`

Definition at line 60 of file afTransferOperateList.h.

6.26.2.2 Operates() [2/2]

```
AFlib::transfer::send::Operates::Operates (
            id::Global_bit globalId ) [inline]
```

Definition at line 61 of file afTransferOperateList.h.

6.26.3 Friends And Related Function Documentation

6.26.3.1 operator$<<$

```
QDataStream& operator<< (
            QDataStream & stream,
            const Operates & data ) [friend]
```

Definition at line 181 of file afTransferOperateList.cpp.

6.26.3.2 operator$>>$

```
QDataStream& operator>> (
            QDataStream & stream,
            Operates & data ) [friend]
```

Definition at line 186 of file afTransferOperateList.cpp.

6.26.4 Member Data Documentation

6.26.4.1 globalId

```
id::Global_bit AFlib::transfer::send::Operates::globalId
```

Definition at line 62 of file afTransferOperateList.h.

6.26.4.2 operateIdList

```
id::OperatePtrList AFlib::transfer::send::Operates::operateIdList
```

Definition at line 65 of file afTransferOperateList.h.

6.26.4.3 operateList

```
id::OperatePtrList AFlib::transfer::send::Operates::operateList
```

Definition at line 64 of file afTransferOperateList.h.

The documentation for this struct was generated from the following file:

- lib_baseAF/include/lib_baseAF/afTransferOperateList.h

6.27 AFlib::Storage::PluginStorage Struct Reference

Public Member Functions

- void addSingle (QStringList dPath, FileType fileType, QDateTime time, IdObject_bit id)

Public Attributes

- quint8 pluginId
- std::vector< SingleStorage > idList

6.27.1 Detailed Description

Definition at line 73 of file afStorage.h.

6.27.2 Member Function Documentation

6.27.2.1 addSingle()

```
void Storage::PluginStorage::addSingle (
            QStringList dPath,
            FileType fileType,
            QDateTime time,
            IdObject_bit id )
```

Definition at line 540 of file afStorage.cpp.

6.27.3 Member Data Documentation

6.27.3.1 idList

```
std::vector<SingleStorage> AFlib::Storage::PluginStorage::idList
```

Definition at line 76 of file afStorage.h.

6.27.3.2 pluginId

```
quint8 AFlib::Storage::PluginStorage::pluginId
```

Definition at line 74 of file afStorage.h.

The documentation for this struct was generated from the following files:

- lib_baseAF/include/lib_baseAF/afStorage.h
- lib_baseAF/tool/afStorage.cpp

6.28 AFlib::transfer::Send Class Reference

```
#include <afTransferOperateList.h>
```

Inheritance diagram for AFlib::transfer::Send:

```
┌──────────────────────────────────┐
│  QList< transfer::send::Objects > │
└──────────────────────────────────┘
                 ▲
                 │
┌──────────────────────────────────┐
│       AFlib::transfer::Send       │
└──────────────────────────────────┘
```

Public Member Functions

- Send ()=default
- Send (const QByteArray &data)
- void addNewObject (const QStringList &dPath, FileType fileType, id::ObjectPtr object)
- void addOperate (const QStringList &dPath, FileType fileType, id::Global_bit id, id::OperatePtrList list, bool isId)
- void addOperate (const QStringList &dPath, FileType fileType, id::Global_bit id, id::OperatePtr operate, bool isId)
- operator QByteArray () const
- QByteArray getData () const

6.28.1 Detailed Description

Definition at line 83 of file afTransferOperateList.h.

6.28.2 Constructor & Destructor Documentation

6.28.2.1 Send() [1/2]

```
AFlib::transfer::Send::Send ( ) [explicit], [default]
```

6.28.2.2 Send() **[2/2]**

```
AFlib::transfer::Send::Send (
            const QByteArray & data )
```

Definition at line 107 of file afTransferOperateList.cpp.

6.28.3 Member Function Documentation

6.28.3.1 addNewObject()

```
void AFlib::transfer::Send::addNewObject (
            const QStringList & dPath,
            FileType fileType,
            id::ObjectPtr object )
```

Definition at line 113 of file afTransferOperateList.cpp.

6.28.3.2 addOperate() **[1/2]**

```
void AFlib::transfer::Send::addOperate (
            const QStringList & dPath,
            FileType fileType,
            id::Global_bit id,
            id::OperatePtr operate,
            bool isId )
```

Definition at line 140 of file afTransferOperateList.cpp.

6.28.3.3 addOperate() **[2/2]**

```
void AFlib::transfer::Send::addOperate (
            const QStringList & dPath,
            FileType fileType,
            id::Global_bit id,
            id::OperatePtrList list,
            bool isId )
```

Definition at line 124 of file afTransferOperateList.cpp.

6.28.3.4 getData()

```
QByteArray AFlib::transfer::Send::getData ( ) const
```

Definition at line 148 of file afTransferOperateList.cpp.

6.28.3.5 operator QByteArray()

```
AFlib::transfer::Send::operator QByteArray ( ) const
```

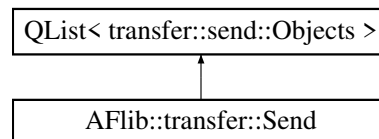Definition at line 153 of file afTransferOperateList.cpp.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afTransferOperateList.h
- lib_baseAF/tool/afTransferOperateList.cpp

6.29 Server Class Reference

```
#include <server.h>
```

Inheritance diagram for Server:
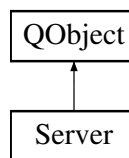
Public Member Functions

- Server (QObject ∗parent=nullptr)
- virtual ∼Server ()=default
- void init ()
- int listen (const QHostAddress &address=QHostAddress::Any, quint16 port=0)

Static Private Member Functions

- static QByteArray ping ()
- static QByteArray login (const QHttpServerRequest &request)
- static QByteArray registrate (const QHttpServerRequest &request)
- static QByteArray addAccount (const QHttpServerRequest &request)
- static QByteArray addAccountById (const QHttpServerRequest &request)
- static QByteArray remindMyLogin (const QHttpServerRequest &request)
- static QByteArray remindMyPassword (const QHttpServerRequest &request)
- static QByteArray updateObjects (const QHttpServerRequest &request)

Private Attributes

- QHttpServer ∗ m_server

6.29.1 Detailed Description

Definition at line 7 of file server.h.

6.29.2 Constructor & Destructor Documentation

6.29.2.1 Server()

```
Server::Server (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 6 of file server.cpp.

6.29.2.2 ∼Server()

```
virtual Server::∼Server ( )  [virtual], [default]
```

6.29.3 Member Function Documentation

6.29.3.1 addAccount()

```
QByteArray Server::addAccount (
            const QHttpServerRequest & request )  [static], [private]
```

Definition at line 109 of file server.cpp.

6.29.3.2 addAccountById()

```
QByteArray Server::addAccountById (
            const QHttpServerRequest & request )  [static], [private]
```

Definition at line 116 of file server.cpp.

6.29.3.3 init()

```
void Server::init ( )
```

Definition at line 15 of file server.cpp.

6.29.3.4 listen()

```
int Server::listen (
            const QHostAddress & address = QHostAddress::Any,
            quint16 port = 0 )
```

Definition at line 28 of file server.cpp.

6.29.3.5 login()

```
QByteArray Server::login (
            const QHttpServerRequest & request ) [static], [private]
```

Definition at line 41 of file server.cpp.

6.29.3.6 ping()

```
QByteArray Server::ping ( )  [static], [private]
```

Definition at line 33 of file server.cpp.

6.29.3.7 registrate()

```
QByteArray Server::registrate (
            const QHttpServerRequest & request ) [static], [private]
```

Definition at line 67 of file server.cpp.

6.29.3.8 remindMyLogin()

```
QByteArray Server::remindMyLogin (
            const QHttpServerRequest & request ) [static], [private]
```

Definition at line 123 of file server.cpp.

6.29.3.9 remindMyPassword()

```
QByteArray Server::remindMyPassword (
            const QHttpServerRequest & request ) [static], [private]
```

Definition at line 130 of file server.cpp.

6.29.3.10 updateObjects()

```
QByteArray Server::updateObjects (
            const QHttpServerRequest & request ) [static], [private]
```

Definition at line 137 of file server.cpp.

6.29.4 Member Data Documentation

6.29.4.1 m_server

```
QHttpServer* Server::m_server  [private]
```

Definition at line 27 of file server.h.

The documentation for this class was generated from the following files:

- serverAF/server.h
- serverAF/server.cpp

6.30 AFlib::ServerSetting Class Reference

`#include <afServerSettings.h>`

Inheritance diagram for AFlib::ServerSetting:
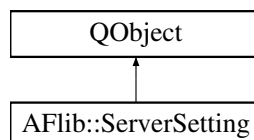
Public Member Functions

- ServerSetting (QObject ∗parent=nullptr)
- bool addUrl (QString key, QString url)
- QString getUrl (QString key, QString defaultValue="") const
- QDateTime lastStorageUpdate () const

Private Attributes

- QMap< QString, QString > m_linkMap
- QDateTime m_lastStorageUpdate
- QSettings m_settings

6.30.1 Detailed Description

Definition at line 18 of file afServerSettings.h.

6.30.2 Constructor & Destructor Documentation

6.30.2.1 ServerSetting()

```
AFlib::ServerSetting::ServerSetting (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 5 of file afServerSettings.cpp.

6.30.3 Member Function Documentation

6.30.3.1 addUrl()

```
bool AFlib::ServerSetting::addUrl (
            QString key,
            QString url )
```

Definition at line 10 of file afServerSettings.cpp.

6.30.3.2 getUrl()

```
QString AFlib::ServerSetting::getUrl (
            QString key,
            QString defaultValue = "" ) const
```

Definition at line 20 of file afServerSettings.cpp.

6.30.3.3 lastStorageUpdate()

`QDateTime AFlib::ServerSetting::lastStorageUpdate ( ) const`

Definition at line 25 of file afServerSettings.cpp.

6.30.4 Member Data Documentation

6.30.4.1 m_lastStorageUpdate

`QDateTime AFlib::ServerSetting::m_lastStorageUpdate  [private]`

Definition at line 31 of file afServerSettings.h.

6.30.4.2 m_linkMap

`QMap<QString, QString> AFlib::ServerSetting::m_linkMap  [private]`

Definition at line 30 of file afServerSettings.h.

6.30.4.3 m_settings

`QSettings AFlib::ServerSetting::m_settings  [private]`

Definition at line 32 of file afServerSettings.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afServerSettings.h
- lib_baseAF/tool/afServerSettings.cpp

6.31 AFlib::Setting Class Reference

`#include <afSetting.h>`

Inheritance diagram for AFlib::Setting:
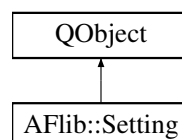
Public Member Functions

- Setting (QObject ∗parent=nullptr)

Static Public Member Functions

- static std::optional< QVariant > value (const QString &key)

6.31.1 Detailed Description

Definition at line 11 of file afSetting.h.

6.31.2 Constructor & Destructor Documentation

6.31.2.1 Setting()

```
AFlib::Setting::Setting (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 4 of file afSetting.cpp.

6.31.3 Member Function Documentation

6.31.3.1 value()

```
std::optional< QVariant > AFlib::Setting::value (
            const QString & key )  [static]
```

Definition at line 9 of file afSetting.cpp.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afSetting.h
- lib_baseAF/tool/afSetting.cpp

6.32 AFlib::Storage::SingleStorage Struct Reference

Public Attributes

- QDateTime lastChange
- IdObject_bit id
- QStringList dPath
- FileType fileType
- QList< id::Global_bit > localSharedList

6.32.1 Detailed Description

Definition at line 64 of file afStorage.h.

6.32.2 Member Data Documentation

6.32.2.1 dPath

```
QStringList AFlib::Storage::SingleStorage::dPath
```

Definition at line 67 of file afStorage.h.

6.32.2.2 fileType

```
FileType AFlib::Storage::SingleStorage::fileType
```

Definition at line 68 of file afStorage.h.

6.32.2.3 id

```
IdObject_bit AFlib::Storage::SingleStorage::id
```

Definition at line 66 of file afStorage.h.

6.32.2.4 lastChange

```
QDateTime AFlib::Storage::SingleStorage::lastChange
```

Definition at line 65 of file afStorage.h.

6.32.2.5 localSharedList

```
QList<id::Global_bit> AFlib::Storage::SingleStorage::localSharedList
```

Definition at line 70 of file afStorage.h.

The documentation for this struct was generated from the following file:

- lib_baseAF/include/lib_baseAF/afStorage.h

6.33 AFaccount::Storage Class Reference

The AFaccount::Storage class we load all possible account, and take it on RAM, so we can access to them always in any time, but we need to make shorten every object that we have and it give us speed when we parse this list.

```
#include <afAccountStorage.h>
```

Inheritance diagram for AFaccount::Storage:

```
┌─────────────────────┐
│       QObject       │
└─────────────────────┘
           ▲
           │
┌─────────────────────┐
│  AFaccount::Storage │
└─────────────────────┘
```
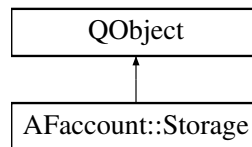
Public Slots

- void login (const QString &login, const QString &password)
- void logout ()

Signals

- void isGuestChanged ()
- void userChanged ()

Public Member Functions

- Storage (QObject ∗parent=nullptr)
- std::optional< QString > checkLogin (QString login, QString password) const
    - *checkLogin \badcode return need rewrite*
- std::optional< QString > checkLogin (QString login, QString password, AFlib::id::Account_bit acc_b) const
- QList< AFlib::id::Account_bit > dependsAccount (AFlib::id::Account_bit account=AFlib::id::Acc_bit(0)) const
- bool check (const AFlib::id::Account_bit &id)
- bool check (const quint32 &id)
- InfoPtr getInfo (const AFIdAccount &id)
- InfoPtr getInfo (const QString &nick)
- InfoPtr getInfo (const quint32 &id)
- bool checkNickname (const QString &nick)
- void add (AccountPtr account, bool isNeedSave=true)
- void add (GroupPtr group, bool isNeedSave=true)
- bool remove (AFlib::id::Account_bit id)
- bool isGuest () const
- Account ∗ user () const

Static Public Member Functions

- static StoragePtr instance ()

Properties

- bool isGuest
- Info user

Private Member Functions

- void reload ()
- void loginAs (AFlib::id::Account_bit account)
- bool save (AccountPtr account)
- bool save (GroupPtr group)
- std::optional< AccountPtr > getAccount (const AFlib::id::Account_bit acc)
- std::optional< GroupPtr > getGroup (const AFlib::id::Account_bit acc)
- bool contains (AFlib::id::Account_bit id) const

Private Attributes

- AccountPtrV m_accountList
- GroupPtrV m_groupList

Static Private Attributes

- static QDir m_accountStorageDir = QDir::current()

Friends

- class AFlib::API

6.33.1 Detailed Description

The AFaccount::Storage class we load all possible account, and take it on RAM, so we can access to them always in any time, but we need to make shorten every object that we have and it give us speed when we parse this list.

Note

This class work only with local data, for use data from server need to use AccountAPI class.

Definition at line 24 of file afAccountStorage.h.

6.33.2 Constructor & Destructor Documentation

6.33.2.1 Storage()

```
AFaccount::Storage::Storage (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 17 of file afAccountStorage.cpp.

6.33.3 Member Function Documentation

6.33.3.1 add() **[1/2]**

```
void AFaccount::Storage::add (
            AccountPtr account,
            bool isNeedSave = true )
```

Definition at line 118 of file afAccountStorage.cpp.

6.33.3.2 add() **[2/2]**

```
void AFaccount::Storage::add (
            GroupPtr group,
            bool isNeedSave = true )
```

Definition at line 128 of file afAccountStorage.cpp.

6.33.3.3 check() **[1/2]**

```
bool AFaccount::Storage::check (
            const AFlib::id::Account_bit & id )
```

Definition at line 31 of file afAccountStorage.cpp.

6.33.3.4 check() **[2/2]**

```
bool AFaccount::Storage::check (
            const quint32 & id )
```

Definition at line 44 of file afAccountStorage.cpp.

6.33.3.5 checkLogin() **[1/2]**

```
std::optional< QString > AFaccount::Storage::checkLogin (
            QString login,
            QString password ) const
```

checkLogin \badcode return need rewrite

Parameters

login	
password	

Returns

Return true if have error, it's hasn't logic, but for now it's ok.

Definition at line 49 of file afAccountStorage.cpp.

6.33.3.6 checkLogin() [2/2]

```
std::optional< QString > AFaccount::Storage::checkLogin (
            QString login,
            QString password,
            AFlib::id::Account_bit acc_b ) const
```

Definition at line 54 of file afAccountStorage.cpp.

6.33.3.7 checkNickname()

```
bool AFaccount::Storage::checkNickname (
            const QString & nick )
```

Definition at line 110 of file afAccountStorage.cpp.

6.33.3.8 contains()

```
bool AFaccount::Storage::contains (
            AFlib::id::Account_bit id ) const  [private]
```

Definition at line 251 of file afAccountStorage.cpp.

6.33.3.9 dependsAccount()

```
QList< AFlib::id::Account_bit > AFaccount::Storage::dependsAccount (
            AFlib::id::Account_bit account = AFlib::id::Acc_bit(0) ) const
```

Definition at line 69 of file afAccountStorage.cpp.

6.33.3.10 getAccount()

std::optional< AFaccount::AccountPtr > AFaccount::Storage::getAccount (
            const AFlib::id::Account_bit *acc*) [private]

Definition at line 235 of file afAccountStorage.cpp.

6.33.3.11 getGroup()

std::optional< AFaccount::GroupPtr > AFaccount::Storage::getGroup (
            const AFlib::id::Account_bit *acc*) [private]

Definition at line 243 of file afAccountStorage.cpp.

6.33.3.12 getInfo() [1/3]

AFaccount::InfoPtr AFaccount::Storage::getInfo (
            const AFIdAccount & *id*)

Definition at line 87 of file afAccountStorage.cpp.

6.33.3.13 getInfo() [2/3]

AFaccount::InfoPtr AFaccount::Storage::getInfo (
            const QString & *nick*)

Definition at line 97 of file afAccountStorage.cpp.

6.33.3.14 getInfo() [3/3]

AFaccount::InfoPtr AFaccount::Storage::getInfo (
            const quint32 & *id*)

Definition at line 105 of file afAccountStorage.cpp.

6.33.3.15 instance()

AFaccount::StoragePtr AFaccount::Storage::instance ( ) [static]

Definition at line 26 of file afAccountStorage.cpp.

6.33.3.16 isGuest()

```
bool AFaccount::Storage::isGuest ( ) const
```

6.33.3.17 isGuestChanged

```
void AFaccount::Storage::isGuestChanged ( )  [signal]
```

6.33.3.18 login

```
void AFaccount::Storage::login (
            const QString & login,
            const QString & password )  [slot]
```

Definition at line 161 of file afAccountStorage.cpp.

6.33.3.19 loginAs()

```
void AFaccount::Storage::loginAs (
            AFlib::id::Account_bit account )  [private]
```

Definition at line 216 of file afAccountStorage.cpp.

6.33.3.20 logout

```
void AFaccount::Storage::logout ( )  [slot]
```

Definition at line 171 of file afAccountStorage.cpp.

6.33.3.21 reload()

```
void AFaccount::Storage::reload ( )  [private]
```

Definition at line 178 of file afAccountStorage.cpp.

6.33.3.22 remove()

```
bool AFaccount::Storage::remove (
            AFlib::id::Account_bit id )
```

Definition at line 138 of file afAccountStorage.cpp.

6.33.3.23 save() **[1/2]**

```
bool AFaccount::Storage::save (
            AccountPtr account )  [private]
```

Definition at line 223 of file afAccountStorage.cpp.

6.33.3.24 save() **[2/2]**

```
bool AFaccount::Storage::save (
            GroupPtr group )  [private]
```

Definition at line 229 of file afAccountStorage.cpp.

6.33.3.25 user()

```
Account* AFaccount::Storage::user ( ) const
```

6.33.3.26 userChanged

```
void AFaccount::Storage::userChanged ( )  [signal]
```

6.33.4 Friends And Related Function Documentation

6.33.4.1 AFlib::API

```
friend class AFlib::API  [friend]
```

Definition at line 84 of file afAccountStorage.h.

6.33.5 Member Data Documentation

6.33.5.1 m_accountList

AccountPtrV AFaccount::Storage::m_accountList [private]

Definition at line 71 of file afAccountStorage.h.

6.33.5.2 m_accountStorageDir

QDir AFaccount::Storage::m_accountStorageDir = QDir::current() [static], [private]

Definition at line 70 of file afAccountStorage.h.

6.33.5.3 m_groupList

GroupPtrV AFaccount::Storage::m_groupList [private]

Definition at line 72 of file afAccountStorage.h.

6.33.6 Property Documentation

6.33.6.1 isGuest

bool AFaccount::Storage::isGuest [read]

Definition at line 27 of file afAccountStorage.h.

6.33.6.2 user

AFaccount::Account * AFaccount::Storage::user [read]

Definition at line 28 of file afAccountStorage.h.

The documentation for this class was generated from the following files:
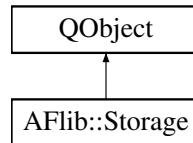
- lib_baseAF/include/lib_baseAF/afAccountStorage.h
- lib_baseAF/account/afAccountStorage.cpp

6.34 AFlib::Storage Class Reference

```
#include <afStorage.h>
```

Inheritance diagram for AFlib::Storage:

```
┌─────────────────┐
│     QObject     │
└─────────────────┘
         ▲
┌─────────────────┐
│  AFlib::Storage │
└─────────────────┘
```

Classes

- struct AccountStorage
- struct PluginStorage
- struct SingleStorage

Public Member Functions

- Storage (QObject ∗parent=qApp)
- void loadFromDirectory (const QStringList &dPath, Compress compress=Compress::AllActive)
- bool updateFile (const QStringList dPath, const QByteArray &data, AFlib::FileType type=AFlib::FileType::Data)
- bool contains (const IdObject &ptr) const
- bool contains (const IdGlobal_bit &globalId) const
- bool addOperate (const IdObject &object, const IdOperate &operate, bool isId=false)
- bool addOperateList (const transfer::Send &list)
- transfer::Send getOperatesAfter (const QDateTime &dateTime, AFaccList_b list=AFaccList_b())
- bool addObject (QStringList dPath, const IdObject &object, AFlib::FileType type=AFlib::FileType::Data)
- IdObj getObject (const QStringList dPath, const IdObject_bit &object, Compress compress=Compress::AllActive, AFlib::FileType type=AFlib::FileType::Data)
- IdObj getObject (const QStringList dPath, const IdObject_bit &object, AFlib::FileType type, Compress compress=Compress::AllActive)
- IdObjectPtrV getObjectList (const QStringList dPath, Compress compress=Compress::AllActive, AFlib::FileType type=AFlib::FileType::Data)
- IdObjectPtrV getObjectList (const QStringList dPath, AFlib::FileType type, Compress compress=Compress::AllActive)
- IdObjectPtrV getObjectList (QList< id::Account_bit > accList, quint8 plugin, Compress compress=Compress::AllActive)
- IdObjectPtrV getObjectList (const QStringList dPath, const IdObjectPtrV list, Compress compress=Compress::AllActive, AFlib::FileType type=AFlib::FileType::Data)
- IdObjectPtrV getObjectList (const QStringList dPath, const IdObjectPtrV list, AFlib::FileType type, Compress compress=Compress::AllActive)
- bool removeObject (const IdObject &object)
- bool updateObjects (transfer::Answer answer, transfer::Send &operateList)
- transfer::Answer saveObjects (transfer::Send &sendData)
- id::Object_bit foundFreeLocalId (quint8 plugin, quint8 type)
- id::Object_bit foundFreeLocalId (AFlib::id::Account_bit account, quint8 plugin, quint8 type)
- id::Object_bit foundFreeGlobalId (id::Object_bit id)
- id::Object_bit foundFreeGlobalId (id::Global_bit id)

Static Public Member Functions

- static QSharedPointer< Storage > init ()

Private Types

- typedef IdObjectPtr IdObj
- typedef AFIdObject_bit IdObj_b

Private Member Functions

- FileType findFileTypeByDPath (QStringList dPath)
- std::optional< SingleStorage > findSingle (const IdObject &object)
- std::optional< SingleStorage > findSingle (const id::Global_bit &globalId)
- std::optional< SingleStorage > findSingle (const id::Account_bit &owner, const id::Object_bit &object)
- void removeListByFile (const QStringList dPath, FileType fileType)
- void registrateObject (const QStringList dPath, FileType fileType, const IdObject &object)
- void registrateObject (const QStringList dPath, FileType fileType, const IdObjectPtr object)
- void registrateObject (const QStringList dPath, FileType fileType, const IdObjectPtrV list)
- void addAccount (IdAccount_bit id)
- void setLastChangedTime (quint32 account, IdObject_bit id, QDateTime dTime)
- void addLocalShared (IdGlobal_bit sender, IdGlobal_bit whatsAddId)

Private Attributes

- std::vector< AccountStorage > m_storageList

6.34.1 Detailed Description

Definition at line 16 of file afStorage.h.

6.34.2 Member Typedef Documentation

6.34.2.1 IdObj

typedef IdObjectPtr AFlib::Storage::IdObj [private]

Definition at line 19 of file afStorage.h.

6.34.2.2 IdObj_b

typedef AFIdObject_bit AFlib::Storage::IdObj_b [private]

Definition at line 20 of file afStorage.h.

6.34.3 Constructor & Destructor Documentation

6.34.3.1 Storage()

```
Storage::Storage (
            QObject * parent = qApp )  [explicit]
```

Definition at line 10 of file afStorage.cpp.

6.34.4 Member Function Documentation

6.34.4.1 addAccount()

```
void Storage::addAccount (
            IdAccount_bit id )  [private]
```

Definition at line 492 of file afStorage.cpp.

6.34.4.2 addLocalShared()

```
void Storage::addLocalShared (
            IdGlobal_bit sender,
            IdGlobal_bit whatsAddId )  [private]
```

Definition at line 526 of file afStorage.cpp.

6.34.4.3 addObject()

```
bool Storage::addObject (
            QStringList dPath,
            const IdObject & object,
            AFlib::FileType type = AFlib::FileType::Data )
```

Definition at line 164 of file afStorage.cpp.

6.34.4.4 addOperate()

```
bool Storage::addOperate (
            const IdObject & object,
            const IdOperate & operate,
            bool isId = false )
```

Definition at line 61 of file afStorage.cpp.

6.34.4.5 addOperateList()

```
bool Storage::addOperateList (
            const transfer::Send & list )
```

Definition at line 87 of file afStorage.cpp.

6.34.4.6 contains() **[1/2]**

```
bool Storage::contains (
            const IdGlobal_bit & globalId ) const
```

Definition at line 414 of file afStorage.cpp.

6.34.4.7 contains() **[2/2]**

```
bool Storage::contains (
            const IdObject & ptr ) const
```

Definition at line 409 of file afStorage.cpp.

6.34.4.8 findFileTypeByDPath()

```
FileType Storage::findFileTypeByDPath (
            QStringList dPath ) [private]
```

Definition at line 399 of file afStorage.cpp.

6.34.4.9 findSingle() [1/3]

```
std::optional< Storage::SingleStorage > Storage::findSingle (
            const id::Account_bit & owner,
            const id::Object_bit & object )  [private]
```

Definition at line 450 of file afStorage.cpp.

6.34.4.10 findSingle() [2/3]

```
std::optional< Storage::SingleStorage > Storage::findSingle (
            const id::Global_bit & globalId )  [private]
```

Definition at line 431 of file afStorage.cpp.

6.34.4.11 findSingle() [3/3]

```
std::optional< Storage::SingleStorage > Storage::findSingle (
            const IdObject & object )  [private]
```

Definition at line 426 of file afStorage.cpp.

6.34.4.12 foundFreeGlobalId() [1/2]

```
id::Object_bit Storage::foundFreeGlobalId (
            id::Global_bit id )
```

Definition at line 376 of file afStorage.cpp.

6.34.4.13 foundFreeGlobalId() [2/2]

```
id::Object_bit Storage::foundFreeGlobalId (
            id::Object_bit id )
```

Definition at line 371 of file afStorage.cpp.

6.34.4.14 foundFreeLocalId() [1/2]

```
id::Object_bit Storage::foundFreeLocalId (
            AFlib::id::Account_bit account,
            quint8 plugin,
            quint8 type )
```

Definition at line 351 of file afStorage.cpp.

6.34.4.15 foundFreeLocalId() [2/2]

```
id::Object_bit Storage::foundFreeLocalId (
            quint8 plugin,
            quint8 type )
```

Definition at line 346 of file afStorage.cpp.

6.34.4.16 getObject() [1/2]

```
Storage::IdObj Storage::getObject (
            const QStringList dPath,
            const IdObject_bit & object,
            AFlib::FileType type,
            Compress compress = Compress::AllActive )
```

Definition at line 197 of file afStorage.cpp.

6.34.4.17 getObject() [2/2]

```
Storage::IdObj Storage::getObject (
            const QStringList dPath,
            const IdObject_bit & object,
            Compress compress = Compress::AllActive,
            AFlib::FileType type = AFlib::FileType::Data )
```

Definition at line 202 of file afStorage.cpp.

6.34.4.18 getObjectList() [1/5]

```
IdObjectPtrV Storage::getObjectList (
            const QStringList dPath,
            AFlib::FileType type,
            Compress compress = Compress::AllActive )
```

Definition at line 215 of file afStorage.cpp.

6.34.4.19 getObjectList() [2/5]

```
IdObjectPtrV Storage::getObjectList (
            const QStringList dPath,
            Compress compress = Compress::AllActive,
            AFlib::FileType type = AFlib::FileType::Data )
```

Definition at line 238 of file afStorage.cpp.

6.34.4.20 getObjectList() [3/5]

```
IdObjectPtrV Storage::getObjectList (
            const QStringList dPath,
            const IdObjectPtrV list,
            AFlib::FileType type,
            Compress compress = Compress::AllActive )
```

Definition at line 248 of file afStorage.cpp.

6.34.4.21 getObjectList() [4/5]

```
IdObjectPtrV Storage::getObjectList (
            const QStringList dPath,
            const IdObjectPtrV list,
            Compress compress = Compress::AllActive,
            AFlib::FileType type = AFlib::FileType::Data )
```

Definition at line 253 of file afStorage.cpp.

6.34.4.22 getObjectList() [5/5]

```
IdObjectPtrV Storage::getObjectList (
            QList< id::Account_bit > accList,
            quint8 plugin,
            Compress compress = Compress::AllActive )
```

Definition at line 220 of file afStorage.cpp.

6.34.4.23 getOperatesAfter()

```
transfer::Send Storage::getOperatesAfter (
            const QDateTime & dateTime,
            AFaccList_b list = AFaccList_b() )
```

Definition at line 127 of file afStorage.cpp.

6.34.4.24 init()

```
QSharedPointer< AFlib::Storage > Storage::init ( )  [static]
```

Definition at line 15 of file afStorage.cpp.

6.34.4.25 loadFromDirectory()

```
void Storage::loadFromDirectory (
            const QStringList & dPath,
            Compress compress = Compress::AllActive )
```

Definition at line 28 of file afStorage.cpp.

6.34.4.26 registrateObject() **[1/3]**

```
void Storage::registrateObject (
            const QStringList dPath,
            FileType fileType,
            const IdObject & object )  [private]
```

Definition at line 465 of file afStorage.cpp.

6.34.4.27 registrateObject() **[2/3]**

```
void Storage::registrateObject (
            const QStringList dPath,
            FileType fileType,
            const IdObjectPtr object )  [private]
```

Definition at line 481 of file afStorage.cpp.

6.34.4.28 registrateObject() **[3/3]**

```
void Storage::registrateObject (
            const QStringList dPath,
            FileType fileType,
            const IdObjectPtrV list )  [private]
```

Definition at line 486 of file afStorage.cpp.

6.34.4.29 removeListByFile()

```
void Storage::removeListByFile (
            const QStringList dPath,
            FileType fileType ) [private]
```

Definition at line 455 of file afStorage.cpp.

6.34.4.30 removeObject()

```
bool Storage::removeObject (
            const IdObject & object )
```

Definition at line 263 of file afStorage.cpp.

6.34.4.31 saveObjects()

```
transfer::Answer Storage::saveObjects (
            transfer::Send & sendData )
```

Definition at line 317 of file afStorage.cpp.

6.34.4.32 setLastChangedTime()

```
void Storage::setLastChangedTime (
            quint32 account,
            IdObject_bit id,
            QDateTime dTime ) [private]
```

Definition at line 505 of file afStorage.cpp.

6.34.4.33 updateFile()

```
bool Storage::updateFile (
            const QStringList dPath,
            const QByteArray & data,
            AFlib::FileType type = AFlib::FileType::Data )
```

Definition at line 46 of file afStorage.cpp.

6.34.4.34 updateObjects()

```
bool Storage::updateObjects (
            transfer::Answer answer,
            transfer::Send & operateList )
```

Definition at line 289 of file afStorage.cpp.

6.34.5 Member Data Documentation

6.34.5.1 m_storageList

```
std::vector<AccountStorage> AFlib::Storage::m_storageList  [private]
```

Definition at line 99 of file afStorage.h.

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afStorage.h
- lib_baseAF/tool/afStorage.cpp

6.35 AFlib::System Class Reference

```
#include <afSystem.h>
```

Inheritance diagram for AFlib::System:
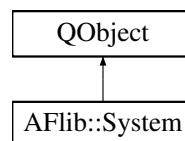
Public Types

- enum SystemOS
- enum Anchor

Public Member Functions

- System (QObject ∗parent=nullptr)
- Q_ENUM (SystemOS) static SystemOS OS()

Static Public Member Functions

- static bool isMobile ()

6.35.1 Detailed Description

Definition at line 10 of file afSystem.h.

6.35.2 Member Enumeration Documentation

6.35.2.1 Anchor

enum AFlib::System::Anchor [strong]

Enumerator

Top	
Left	
Right	
Bottom	
Undefined	

Definition at line 27 of file afSystem.h.

6.35.2.2 SystemOS

enum AFlib::System::SystemOS [strong]

Enumerator

Android	
Linux	
Windows	
Mac	
iOS	

Definition at line 16 of file afSystem.h.

6.35.3 Constructor & Destructor Documentation

6.35.3.1 System()

```
System::System (
            QObject * parent = nullptr )  [explicit]
```

Definition at line 5 of file afSystem.cpp.

6.35.4 Member Function Documentation

6.35.4.1 isMobile()

```
bool System::isMobile ( )  [static]
```

Definition at line 25 of file afSystem.cpp.

6.35.4.2 Q_ENUM()

```
AFlib::System::Q_ENUM (
            SystemOS  )
```

The documentation for this class was generated from the following files:

- lib_baseAF/include/lib_baseAF/afSystem.h
- lib_baseAF/base/afSystem.cpp

6.36 AFlib::id::TbitStruct< bitsize > Struct Template Reference

```
#include <afIdBit.h>
```

Public Member Functions

- uint bitSize () const
- template<uint bitsize_>
  std::bitset< bitsize_ > getPiece (uint index, uint size) const
- quint8 getCharPiece (uint index) const
- std::bitset< bitsize > getBitSet (uint index, uint size) const
- template<typename typeNumber >
  typeNumber toTypeNumber (uint index, uint size) const
- template<uint fpart, uint spart>
  std::bitset< fpart+spart > unite (std::bitset< fpart > fp, std::bitset< spart > sp) const
- quint8 toUInt8 (uint index=0, uint size=8) const
- quint16 toUInt16 (uint index=0, uint size=16) const
- quint32 toUInt32 (uint index=0, uint size=32) const
- quint64 toUInt64 (uint index=0, uint size=64) const
- operator std::string () const
- std::string toString (char separator=8, char ch='`') const
- void fill (const std::string str)

Protected Member Functions

- bool setBoolRange (quint8 iFrom, quint8 iTo, std::vector< bool > values)
- void setCharPiece (uint index, quint8 ch)
- template<typename typeNumber , uint size_>
  void setFromValue (typeNumber value, uint index, uint size)
- bool setReservedT (quint8 maxSize, quint8 iFrom, quint8 iTo, std::vector< bool > values)
- TbitStruct< bitsize > & operator= (const quint8 value)
- TbitStruct< bitsize > & operator= (const quint16 value)
- TbitStruct< bitsize > & operator= (const quint32 value)
- TbitStruct< bitsize > & operator= (const quint64 value)
- void setUInt8 (quint8 value, uint index=0, uint size=bitsize)
- void setUInt16 (quint16 value, uint index=0, uint size=bitsize)
- void setUInt32 (quint32 value, uint index=0, uint size=bitsize)
- void setUInt64 (quint64 value, uint index=0, uint size=bitsize)

Protected Attributes

- std::bitset< bitsize > m_bitset

Friends

- QDataStream & operator (QDataStream &s, const TbitStruct< bitsize > &data)
- QDataStream & operator>> (QDataStream &s, TbitStruct< bitsize > &data)

6.36.1 Detailed Description

template< **uint bitsize** >
struct AFlib::id::TbitStruct< **bitsize** >

Definition at line 14 of file afIdBit.h.

6.36.2 Member Function Documentation

6.36.2.1 bitSize()

```
template<uint bitsize>
uint AFlib::id::TbitStruct< bitsize >::bitSize ( ) const  [inline]
```

Definition at line 25 of file afIdBit.h.

6.36.2.2 fill()

```
template<uint bitsize>
void AFlib::id::TbitStruct< bitsize >::fill (
            const std::string str )  [inline]
```

Definition at line 94 of file afIdBit.h.

6.36.2.3 getBitSet()

```
template<uint bitsize>
std::bitset<bitsize> AFlib::id::TbitStruct< bitsize >::getBitSet (
            uint index,
            uint size ) const  [inline]
```

Definition at line 56 of file afIdBit.h.

6.36.2.4 getCharPiece()

```
template<uint bitsize>
quint8 AFlib::id::TbitStruct< bitsize >::getCharPiece (
            uint index ) const  [inline]
```

Definition at line 43 of file afIdBit.h.

6.36.2.5 getPiece()

```
template<uint bitsize>
template<uint bitsize_>
std::bitset<bitsize_> AFlib::id::TbitStruct< bitsize >::getPiece (
            uint index,
            uint size ) const  [inline]
```

Definition at line 28 of file afIdBit.h.

6.36.2.6 operator std::string()

```
template<uint bitsize>
AFlib::id::TbitStruct< bitsize >::operator std::string ( ) const  [inline]
```

Definition at line 80 of file afIdBit.h.

6.36.2.7 operator=() [1/4]

```
template<uint bitsize>
TbitStruct<bitsize>& AFlib::id::TbitStruct< bitsize >::operator= (
            const quint16 value ) [inline], [protected]
```

Definition at line 155 of file afIdBit.h.

6.36.2.8 operator=() [2/4]

```
template<uint bitsize>
TbitStruct<bitsize>& AFlib::id::TbitStruct< bitsize >::operator= (
            const quint32 value ) [inline], [protected]
```

Definition at line 156 of file afIdBit.h.

6.36.2.9 operator=() [3/4]

```
template<uint bitsize>
TbitStruct<bitsize>& AFlib::id::TbitStruct< bitsize >::operator= (
            const quint64 value ) [inline], [protected]
```

Definition at line 157 of file afIdBit.h.

6.36.2.10 operator=() [4/4]

```
template<uint bitsize>
TbitStruct<bitsize>& AFlib::id::TbitStruct< bitsize >::operator= (
            const quint8 value ) [inline], [protected]
```

Definition at line 154 of file afIdBit.h.

6.36.2.11 setBoolRange()

```
template<uint bitsize>
bool AFlib::id::TbitStruct< bitsize >::setBoolRange (
            quint8 iFrom,
            quint8 iTo,
            std::vector< bool > values ) [inline], [protected]
```

Definition at line 106 of file afIdBit.h.

6.36.2.12 setCharPiece()

```
template<uint bitsize>
void AFlib::id::TbitStruct< bitsize >::setCharPiece (
            uint index,
            quint8 ch ) [inline], [protected]
```

Definition at line 119 of file afIdBit.h.

6.36.2.13 setFromValue()

```
template<uint bitsize>
template<typename typeNumber , uint size_>
void AFlib::id::TbitStruct< bitsize >::setFromValue (
            typeNumber value,
            uint index,
            uint size ) [inline], [protected]
```

Definition at line 130 of file afIdBit.h.

6.36.2.14 setReservedT()

```
template<uint bitsize>
bool AFlib::id::TbitStruct< bitsize >::setReservedT (
            quint8 maxSize,
            quint8 iFrom,
            quint8 iTo,
            std::vector< bool > values ) [inline], [protected]
```

Definition at line 140 of file afIdBit.h.

6.36.2.15 setUInt16()

```
template<uint bitsize>
void AFlib::id::TbitStruct< bitsize >::setUInt16 (
            quint16 value,
            uint index = 0,
            uint size = bitsize ) [inline], [protected]
```

Definition at line 160 of file afIdBit.h.

6.36.2.16 setUInt32()

```
template<uint bitsize>
void AFlib::id::TbitStruct< bitsize >::setUInt32 (
            quint32 value,
            uint index = 0,
            uint size = bitsize ) [inline], [protected]
```

Definition at line 161 of file afIdBit.h.

6.36.2.17 setUInt64()

```
template<uint bitsize>
void AFlib::id::TbitStruct< bitsize >::setUInt64 (
            quint64 value,
            uint index = 0,
            uint size = bitsize ) [inline], [protected]
```

Definition at line 162 of file afIdBit.h.

6.36.2.18 setUInt8()

```
template<uint bitsize>
void AFlib::id::TbitStruct< bitsize >::setUInt8 (
            quint8 value,
            uint index = 0,
            uint size = bitsize ) [inline], [protected]
```

Definition at line 159 of file afIdBit.h.

6.36.2.19 toString()

```
template<uint bitsize>
std::string AFlib::id::TbitStruct< bitsize >::toString (
            char separator = 8,
            char ch = '`' ) const [inline]
```

Definition at line 81 of file afIdBit.h.

6.36.2.20 toTypeNumber()

```
template<uint bitsize>
template<typename typeNumber >
typeNumber AFlib::id::TbitStruct< bitsize >::toTypeNumber (
            uint index,
            uint size ) const  [inline]
```

Definition at line 59 of file afIdBit.h.

6.36.2.21 toUInt16()

```
template<uint bitsize>
quint16 AFlib::id::TbitStruct< bitsize >::toUInt16 (
            uint index = 0,
            uint size = 16 ) const  [inline]
```

Definition at line 76 of file afIdBit.h.

6.36.2.22 toUInt32()

```
template<uint bitsize>
quint32 AFlib::id::TbitStruct< bitsize >::toUInt32 (
            uint index = 0,
            uint size = 32 ) const  [inline]
```

Definition at line 77 of file afIdBit.h.

6.36.2.23 toUInt64()

```
template<uint bitsize>
quint64 AFlib::id::TbitStruct< bitsize >::toUInt64 (
            uint index = 0,
            uint size = 64 ) const  [inline]
```

Definition at line 78 of file afIdBit.h.

6.36.2.24 toUInt8()

```
template<uint bitsize>
quint8 AFlib::id::TbitStruct< bitsize >::toUInt8 (
            uint index = 0,
            uint size = 8 ) const  [inline]
```

Definition at line 75 of file afIdBit.h.

6.36.2.25 unite()

```
template<uint bitsize>
template<uint fpart, uint spart>
std::bitset<fpart + spart> AFlib::id::TbitStruct< bitsize >::unite (
            std::bitset< fpart > fp,
            std::bitset< spart > sp ) const  [inline]
```

Definition at line 70 of file afIdBit.h.

6.36.3 Friends And Related Function Documentation

6.36.3.1 operator

```
template<uint bitsize>
QDataStream& operator (
            QDataStream & s,
            const TbitStruct< bitsize > & data )  [friend]
```

6.36.3.2 operator>>

```
template<uint bitsize>
QDataStream& operator>> (
            QDataStream & s,
            TbitStruct< bitsize > & data )  [friend]
```

6.36.4 Member Data Documentation

6.36.4.1 m_bitset

```
template<uint bitsize>
std::bitset<bitsize> AFlib::id::TbitStruct< bitsize >::m_bitset  [protected]
```

Definition at line 102 of file afIdBit.h.

The documentation for this struct was generated from the following file:

- lib_baseAF/include/lib_baseAF/afIdBit.h

Chapter 7

File Documentation

7.1 lib_baseAF/account/afAccount.cpp File Reference

```
#include "lib_baseAF/afAccount.h"
#include <QtCore/QVariant>
#include <QtCore/QThread>
#include <QtCore/QJsonArray>
#include <QtCore/QCryptographicHash>
#include <QtCore/QCoreApplication>
```

7.2 lib_baseAF/account/afAccountGroup.cpp File Reference

```
#include "afAccountGroup.h"
#include "afAccountStorage.h"
#include "AFbase/AfEnum"
#include <QtCore/QPair>
```

Typedefs

- using AccountWithAccess = QPair< quint32, quint8 >

Functions

- Q_DECLARE_METATYPE (AccountWithAccess)
- AccountWithAccess makeAccountWithAccess (AFIdObject_bit account, AFaccount::AccessType access)

7.2.1 Typedef Documentation

7.2.1.1 AccountWithAccess

```
using AccountWithAccess = QPair <quint32, quint8>
```

Definition at line 6 of file afAccountGroup.cpp.

7.2.2 Function Documentation

7.2.2.1 makeAccountWithAccess()

```
AccountWithAccess makeAccountWithAccess (
            AFIdObject_bit account,
            AFaccount::AccessType access )
```

Definition at line 9 of file afAccountGroup.cpp.

7.2.2.2 Q_DECLARE_METATYPE()

```
Q_DECLARE_METATYPE (
            AccountWithAccess  )
```

7.3 lib_baseAF/account/afAccountInfo.cpp File Reference

```
#include "afAccountInfo.h"
#include <QtCore/QVariant>
```

Macros

- #define DATE_TIME "yyyy.MM.dd hh:mm:ss"

7.3.1 Macro Definition Documentation

7.3.1.1 DATE_TIME

```
#define DATE_TIME "yyyy.MM.dd hh:mm:ss"
```

Definition at line 4 of file afAccountInfo.cpp.

7.4 lib_baseAF/account/afAccountStorage.cpp File Reference

```
#include "afAccountStorage.h"
#include <QtCore/QCoreApplication>
#include <QtCore/QDataStream>
#include <QtCore/QFile>
#include <QtCore/QCryptographicHash>
#include <QtCore/QDebug>
#include <AFbase/AfDir>
#include <AFbase/AfStorage>
#include <AFbase/AfEnum>
```

Variables

- AFaccount::AccountPtr m_user
- AFaccount::AccountPtr m_guest
- AFaccount::StoragePtr m_accountStorage

7.4.1 Variable Documentation

7.4.1.1 m_accountStorage

AFaccount::StoragePtr m_accountStorage

Definition at line 14 of file afAccountStorage.cpp.

7.4.1.2 m_guest

AFaccount::AccountPtr m_guest

Definition at line 13 of file afAccountStorage.cpp.

7.4.1.3 m_user

AFaccount::AccountPtr m_user

Definition at line 12 of file afAccountStorage.cpp.

7.5 lib_baseAF/base/afAPI.cpp File Reference

```
#include "afAPI.h"
#include <optional>
#include <QtCore/QCoreApplication>
#include "afServerSettings.h"
#include "AfStorage"
#include <QtCore/QByteArray>
#include "afAccountStorage.h"
```

Namespaces

- AFlib

Functions

- AFapiPtr afAPI ()
- QDataStream & AFlib::operator$<<$ (QDataStream &d, const AFlib::RequestType &type)
- QDataStream & AFlib::operator$>>$ (QDataStream &d, AFlib::RequestType &type)

7.5.1 Function Documentation

7.5.1.1 afAPI()

```
AFapiPtr afAPI ( )
```

Definition at line 233 of file afAPI.cpp.

7.6 lib_baseAF/base/afEnum.cpp File Reference

```
#include "afEnum.h"
```

Functions

- bool operator== (AFlib::AccountIdType f, AFlib::AccountIdType s)
- QDebug operator$<<$ (QDebug d, AFlib::FileType type)
- QDataStream & operator$<<$ (QDataStream &s, const AFlib::FileType &type)
- QDataStream & operator$>>$ (QDataStream &s, AFlib::FileType &type)

7.6.1 Function Documentation

7.6.1.1 operator$<<$() [1/2]

```
QDataStream& operator<< (
            QDataStream & s,
            const AFlib::FileType & type )
```

Definition at line 73 of file afEnum.cpp.

7.6.1.2 operator$<<$() [2/2]

```
QDebug operator<< (
            QDebug d,
            AFlib::FileType type )
```

Definition at line 51 of file afEnum.cpp.

7.6.1.3 operator==()

```
bool operator== (
            AFlib::AccountIdType f,
            AFlib::AccountIdType s )
```

Definition at line 13 of file afEnum.cpp.

7.6.1.4 operator$>>$()

```
QDataStream& operator>> (
            QDataStream & s,
            AFlib::FileType & type )
```

Definition at line 78 of file afEnum.cpp.

7.7 lib_baseAF/base/afFunction.cpp File Reference

```
#include <QtCore/QDebug>
#include "afFunction.h"
#include "afSystem.h"
#include <QtCore/QDateTime>
```

7.8 lib_baseAF/base/afIdAccount.cpp File Reference

```
#include "afIdAccount.h"
```

7.9 lib_baseAF/base/afIdGlobalBit.cpp File Reference

```
#include "afIdGlobalBit.h"
#include "AfFunction"
```

Namespaces

- AFlib
- AFlib::id

Functions

- QDataStream & AFlib::id::operator<< (QDataStream &s, const Global_bit &id)
- QDataStream & AFlib::id::operator>> (QDataStream &s, Global_bit &id)
- QDebug operator<< (QDebug d, const AFlib::id::Global_bit &object)

7.9.1 Function Documentation

7.9.1.1 operator<<()

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Global_bit & object )
```

Definition at line 33 of file afIdGlobalBit.cpp.

7.10 lib_baseAF/base/afIdHistory.cpp File Reference

```
#include "afIdHistory.h"
#include "afStorage.h"
#include "afFunction.h"
```

Namespaces

- AFlib
- AFlib::id

Functions

- QDataStream & [AFlib::id::operator$<<$](QDataStream &stream, const History &data)
- QDataStream & [AFlib::id::operator$>>$](QDataStream &stream, History &data)

7.11 lib_baseAF/base/afIdObject.cpp File Reference

```
#include "afIdObject.h"
#include "afFile.h"
#include "AfStorage"
#include <QtCore/QDebug>
#include "afFunction.h"
```

Namespaces

- [AFlib](#)
- [AFlib::id](#)

Functions

- QDataStream & [AFlib::id::operator$<<$](#) (QDataStream &stream, const [AFlib::id::Object](#) &data)
- QDataStream & [AFlib::id::operator$>>$](#) (QDataStream &stream, [AFlib::id::Object](#) &data)
- QDebug [operator$<<$](#) (QDebug d, const [AFlib::id::Object](#) &object)
- bool [operator==](#) (const [AFlib::id::ObjectPtr](#) ptr, const [AFlib::id::Object](#) &object)
- bool [operator==](#) (const [AFlib::id::ObjectPtr](#) l, const [AFlib::id::ObjectPtr](#) r)
- [AFlib::id::ObjectPtrV](#) & [operator+=](#) ([AFlib::id::ObjectPtrV](#) &l, const [AFlib::id::ObjectPtrV](#) &r)

7.11.1 Function Documentation

7.11.1.1 operator+=()

```
AFlib::id::ObjectPtrV& operator+= (
            AFlib::id::ObjectPtrV & l,
            const AFlib::id::ObjectPtrV & r )
```

Definition at line 307 of file afIdObject.cpp.

7.11.1.2 operator$<<$()

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Object & object )
```

Definition at line 283 of file afIdObject.cpp.

7.11.1.3 operator==() `[1/2]`

```
bool operator== (
            const AFlib::id::ObjectPtr l,
            const AFlib::id::ObjectPtr r )
```

Definition at line 302 of file afIdObject.cpp.

7.11.1.4 operator==() `[2/2]`

```
bool operator== (
            const AFlib::id::ObjectPtr ptr,
            const AFlib::id::Object & object )
```

Definition at line 295 of file afIdObject.cpp.

7.12   lib_baseAF/base/afIdObjectBit.cpp File Reference

```
#include "afIdObjectBit.h"
#include "AfFunction"
```

Functions

- QDebug operator<< (QDebug d, const AFlib::id::Object_bit &obj_b)

7.12.1   Function Documentation

7.12.1.1 operator<<**()**

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Object_bit & obj_b )
```

Definition at line 49 of file afIdObjectBit.cpp.

7.13   lib_baseAF/base/afIdObjectTemplate.cpp File Reference

```
#include "afIdObjectTemplate.h"
#include <AFaccount/AfAccountStorage>
#include <AFbase/AfStorage>
```

7.14 lib_baseAF/base/afIdOperate.cpp File Reference

```
#include "afIdOperate.h"
#include <QtCore/QSharedPointer>
#include <QtCore/QTimer>
#include <AfFunction>
```

Functions

- QDataStream & operator<< (QDataStream &stream, const AFlib::id::OperatePtrList &data)
- QDataStream & operator>> (QDataStream &stream, AFlib::id::OperatePtrList &data)
- std::ostream & operator<< (std::ostream &os, const AFlib::id::Operate &op)
- QDebug operator<< (QDebug d, const AFlib::id::Operate &op)
- QDebug operator<< (QDebug d, const AFlib::id::Operate_bit &op_b)

7.14.1 Function Documentation

7.14.1.1 operator<<() [1/4]

```
QDataStream& operator<< (
            QDataStream & stream,
            const AFlib::id::OperatePtrList & data )
```

Definition at line 74 of file afIdOperate.cpp.

7.14.1.2 operator<<() [2/4]

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Operate & op )
```

Definition at line 131 of file afIdOperate.cpp.

7.14.1.3 operator<<() [3/4]

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Operate_bit & op_b )
```

Definition at line 145 of file afIdOperate.cpp.

7.14.1.4 operator<<() [4/4]

```
std::ostream& operator<< (
            std::ostream & os,
            const AFlib::id::Operate & op )
```

Definition at line 117 of file afIdOperate.cpp.

7.14.1.5 operator>>()

```
QDataStream& operator>> (
            QDataStream & stream,
            AFlib::id::OperatePtrList & data )
```

Definition at line 82 of file afIdOperate.cpp.

7.15 lib_baseAF/base/afSystem.cpp File Reference

```
#include "afSystem.h"
```

7.16 lib_baseAF/include/afAccountLib.h File Reference

```
#include <AFaccount/AfAccountStorage>
#include <AFaccount/AfAccountInfo>
#include <AFaccount/AfAccountGroup>
#include <AFaccount/AfAccount>
```

7.17 lib_baseAF/include/afBaseLib.h File Reference

```
#include <AFbase/AfAPI>
#include <AFbase/AfDir>
#include <AFbase/AfEnum>
#include <AFbase/AfFile>
#include <AFbase/AfFunction>
#include <AFbase/AfId>
#include <AFbase/AfPreference>
#include <AFbase/AfServerSettings>
#include <AFbase/AfSetting>
#include <AFbase/AfStorage>
#include <AFbase/AfSystem>
```

7.18   lib_baseAF/include/lib_baseAF/afAccount.h File Reference

```
#include <QtCore/QDir>
#include <QtCore/QObject>
#include <QtCore/QString>
#include <QtCore/QJsonObject>
#include <QtCore/QSharedPointer>
#include "lib_baseAF/afAccountInfo.h"
```

Classes

- class AFaccount::Account

Namespaces

- AFaccount
- AFlib

Typedefs

- typedef QSharedPointer< Account > AFaccount::AccountPtr
- typedef std::vector< AccountPtr > AFaccount::AccountPtrV

Functions

- AccountPtr AFaccount::own ()

7.19   lib_baseAF/include/lib_baseAF/afAccountGroup.h File Reference

```
#include <QtCore/QDir>
#include <QtCore/QMap>
#include <QtCore/QObject>
#include <QtCore/QString>
#include "lib_baseAF/afAccountInfo.h"
```

Classes

- class AFaccount::Group

Namespaces

- AFaccount

Typedefs

- typedef QSharedPointer< Group > AFaccount::GroupPtr
- typedef std::vector< GroupPtr > AFaccount::GroupPtrV

Enumerations

- enum AFaccount::AccessType

Functions

- AccessType AFaccount::toAccessType (const quint8 i)
- quint8 AFaccount::fromAccessType (AccessType type)

7.20 lib_baseAF/include/lib_baseAF/afAccountInfo.h File Reference

```
#include <QtCore/QDir>
#include <QtCore/QJsonObject>
#include <QtCore/QObject>
#include <QtCore/QSharedPointer>
#include <QtCore/QString>
#include <AFbase/AfId>
```

Classes

- class AFaccount::Info

Namespaces

- AFaccount

Typedefs

- typedef QSharedPointer< Info > AFaccount::InfoPtr
- typedef QList< InfoPtr > AFaccount::InfoPtrList
- typedef QSharedPointer< AFaccount::Info > AccInfoPtr
- typedef QList< AccInfoPtr > AccInfoPtrList

7.20.1 Typedef Documentation

7.20.1.1 AccInfoPtr

```
typedef QSharedPointer<AFaccount::Info> AccInfoPtr
```

Definition at line 45 of file afAccountInfo.h.

7.20.1.2 AccInfoPtrList

```
typedef QList<AccInfoPtr> AccInfoPtrList
```

Definition at line 46 of file afAccountInfo.h.

7.21 lib_baseAF/include/lib_baseAF/afAccountStorage.h File Reference

```
#include "afAccount.h"
#include "afAccountGroup.h"
#include <QtNetwork/QNetworkAccessManager>
```

Classes

- class AFaccount::Storage

  The AFaccount::Storage class we load all possible account, and take it on RAM, so we can access to them always in any time, but we need to make shorten every object that we have and it give us speed when we parse this list.

Namespaces

- AFaccount

Typedefs

- typedef QSharedPointer< Storage > AFaccount::StoragePtr
- typedef AFaccount::Storage AFAccountStorage

Functions

- StoragePtr AFaccount::storage (QObject ∗parent=nullptr)
- AccountPtr AFaccount::user (QObject ∗parent=nullptr)

7.21.1 Typedef Documentation

7.21.1.1 AFAccountStorage

typedef AFaccount::Storage AFAccountStorage

Definition at line 87 of file afAccountStorage.h.

7.22 lib_baseAF/include/lib_baseAF/afAPI.h File Reference

```
#include "afAccountStorage.h"
#include <QtCore/QMap>
#include <QtCore/QTimer>
#include <QtNetwork/QNetworkAccessManager>
#include <QtNetwork/QNetworkReply>
```

Classes

- class AFlib::API

Namespaces

- AFlib

Typedefs

- typedef QSharedPointer< API > AFlib::ApiPtr
- typedef QList< ApiPtr > AFlib::ApiPtrList
- typedef QSharedPointer< AFlib::API > AFapiPtr
- typedef QList< AFapiPtr > AFapiPtrList

Enumerations

- enum AFlib::RequestType
- enum AFlib::RequestStatus

Functions

- QString AFlib::getServerKey (const RequestType type, bool isData=false)
- QUrl AFlib::getServerLink (const RequestType type, bool isData=false)
- ApiPtr AFlib::api ()
- QDataStream & AFlib::operator<< (QDataStream &d, const AFlib::RequestType &type)
- QDataStream & AFlib::operator>> (QDataStream &d, AFlib::RequestType &type)
- AFapiPtr afAPI ()

7.22.1 Typedef Documentation

7.22.1.1 AFapiPtr

```
typedef QSharedPointer<AFlib::API> AFapiPtr
```

Definition at line 82 of file afAPI.h.

7.22.1.2 AFapiPtrList

```
typedef QList<AFapiPtr> AFapiPtrList
```

Definition at line 83 of file afAPI.h.

7.22.2 Function Documentation

7.22.2.1 afAPI()

```
AFapiPtr afAPI ( )
```

Definition at line 233 of file afAPI.cpp.

7.23 lib_baseAF/include/lib_baseAF/afDir.h File Reference

```
#include <QtCore/QDir>
#include <QtCore/QObject>
#include <QtCore/QStringList>
#include <QtCore/QSharedPointer>
```

Classes

- class AFlib::Dir

Namespaces

- AFlib

Typedefs

- typedef QSharedPointer< Dir > AFlib::DirPtr

Functions

- DirPtr AFlib::afDir ()
- AFlib::DirPtr AFDir ()

7.23.1 Function Documentation

7.23.1.1 AFDir()

```
AFlib::DirPtr AFDir ( )
```

Definition at line 243 of file afDir.cpp.

7.24 lib_baseAF/include/lib_baseAF/afEnum.h File Reference

```
#include <QtCore/QDebug>
#include <QtCore/QObject>
#include <QtCore/QDataStream>
```

Namespaces

- AFlib

Typedefs

- typedef HistoryIdType AFlib::HIdType
- typedef SavedIdType AFlib::SIdType

Enumerations

- enum AFlib::Schedule
- enum AFlib::Continent

    The Continent enum.

- enum AFlib::FileType

    Id`s enum list --—.

- enum AFlib::HistoryIdType
- enum AFlib::SavedIdType
- enum AFlib::AccountIdType

Functions

- HistoryIdType AFlib::toHistoryIdType (const quint8 i)
- quint8 AFlib::fromHisToInt (HistoryIdType type)
- bool AFlib::isHIdEnable (HistoryIdType type)
- std::string AFlib::historyToString (HistoryIdType type)
- std::string AFlib::historyToString (quint8 type)
- SavedIdType AFlib::toSavedIdType (const quint8 i)
- quint8 AFlib::fromSaveToInt (SavedIdType type)
- std::string AFlib::saveTypeToString (SavedIdType type)
- std::string AFlib::saveTypeToString (quint8 type)
- AccountIdType AFlib::toAccountIdType (const quint8 i)
- quint8 AFlib::fromAccountIdType (AccountIdType type)
- bool operator== (AFlib::AccountIdType f, AFlib::AccountIdType s)
- QDebug operator<< (QDebug d, AFlib::FileType type)
- QDataStream & operator<< (QDataStream &s, const AFlib::FileType &type)
- QDataStream & operator>> (QDataStream &s, AFlib::FileType &type)

7.24.1 Function Documentation

7.24.1.1 operator<<() [1/2]

```
QDataStream& operator<< (
            QDataStream & s,
            const AFlib::FileType & type )
```

Definition at line 73 of file afEnum.cpp.

7.24.1.2 operator<<() [2/2]

```
QDebug operator<< (
            QDebug d,
            AFlib::FileType type )
```

Definition at line 51 of file afEnum.cpp.

7.24.1.3 operator==()

```
bool operator== (
            AFlib::AccountIdType f,
            AFlib::AccountIdType s )
```

Definition at line 13 of file afEnum.cpp.

7.24.1.4 operator$>>$()

```
QDataStream& operator>> (
           QDataStream & s,
           AFlib::FileType & type )
```

Definition at line 78 of file afEnum.cpp.

7.25   lib_baseAF/include/lib_baseAF/afFile.h File Reference

```
#include "lib_baseAF/afEnum.h"
#include <QtCore/QDir>
#include <QtCore/QDebug>
#include <QtCore/QFile>
#include <QtCore/QDataStream>
```

Classes

- class AFlib::File

Namespaces

- AFlib

Typedefs

- typedef AFlib::File AFfile

Functions

- template$<$class T $>$
  AFlib::File & operator$<<$ (AFlib::File &file, const T &data)
- template$<$class T $>$
  AFlib::File & operator$>>$ (AFlib::File &file, T &data)

7.25.1   Typedef Documentation

7.25.1.1   AFfile

```
typedef AFlib::File AFfile
```

Definition at line 15 of file afFile.h.

7.25.2 Function Documentation

7.25.2.1 operator$<<$()

```
template<class T >
AFlib::File& operator<< (
            AFlib::File & file,
            const T & data )
```

Definition at line 56 of file afFile.h.

7.25.2.2 operator$>>$()

```
template<class T >
AFlib::File& operator>> (
            AFlib::File & file,
            T & data )
```

Definition at line 67 of file afFile.h.

7.26 lib_baseAF/include/lib_baseAF/afFunction.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QSharedPointer>
#include <QtCore/QLibrary>
#include <QtCore/QPluginLoader>
#include <QtCore/QDir>
#include <random>
#include <charconv>
```

Classes

- class AFlib::Function

Namespaces

- AFlib

Typedefs

- typedef AFlib::Function AFfunction

7.26.1 Typedef Documentation

7.26.1.1 AFfunction

```
typedef AFlib::Function AFfunction
```

Definition at line 97 of file afFunction.h.

7.27 lib_baseAF/include/lib_baseAF/afId.h File Reference

```
#include "afIdBit.h"
#include "afIdAccount.h"
#include "afIdOperate.h"
#include "afIdObject.h"
#include "afIdGlobalBit.h"
#include "afIdObjectTemplate.h"
#include "afIdHistory.h"
#include "AfTransferOperateList"
```

Namespaces

- AFlib

Typedefs

- typedef id::Account_bit AFlib::IdAccount_bit
- typedef id::History AFlib::IdHistory
- typedef id::HistoryPtr AFlib::IdHistoryPtr
- typedef id::Global_bit AFlib::IdGlobal_bit
- typedef id::Object AFlib::IdObject
- typedef id::ObjectTemplate AFlib::IdObjectTemplate
- typedef id::Object_bit AFlib::IdObject_bit
- typedef id::ObjectPtr AFlib::IdObjectPtr
- typedef id::ObjectPtrV AFlib::IdObjectPtrV
- typedef id::Operate AFlib::IdOperate
- typedef id::OperatePtr AFlib::IdOperatePtr
- typedef id::OperatePtrList AFlib::IdOperatePtrList
- typedef transfer::Send AFlib::TransferOperateSendList
- typedef AFlib::IdAccount_bit AFIdAccount
- typedef AFlib::IdHistory AFIdHistory
- typedef AFlib::IdHistoryPtr AFIdHistoryPtr
- typedef AFlib::IdGlobal_bit AFIdGlobal_bit
- typedef AFlib::IdObject AFIdObject
- typedef AFlib::IdObjectTemplate AFIdObjectTemplate
- typedef AFlib::IdObject_bit AFIdObject_bit
- typedef AFlib::IdObjectPtr AFIdObjectPtr
- typedef AFlib::IdObjectPtrV AFIdObjectPtrV
- typedef AFlib::IdOperate AFIdOperate
- typedef AFlib::IdOperatePtr AFIdOperatePtr
- typedef AFlib::IdOperatePtrList AFIdOperatePtrList
- typedef AFlib::Attribute AFattribute
- typedef AFlib::Compress AFcompress
- typedef AFlib::id::AccList_b AFaccList_b
- typedef AFlib::TransferOperateSendList AFTransferOperateSendList

7.27.1 Typedef Documentation

7.27.1.1 AFaccList_b

typedef AFlib::id::AccList_b AFaccList_b

Definition at line 52 of file afId.h.

7.27.1.2 AFattribute

typedef AFlib::Attribute AFattribute

Definition at line 49 of file afId.h.

7.27.1.3 AFcompress

typedef AFlib::Compress AFcompress

Definition at line 50 of file afId.h.

7.27.1.4 AFIdAccount

typedef AFlib::IdAccount_bit AFIdAccount

Definition at line 33 of file afId.h.

7.27.1.5 AFIdGlobal_bit

typedef AFlib::IdGlobal_bit AFIdGlobal_bit

Definition at line 38 of file afId.h.

7.27.1.6 AFIdHistory

typedef [AFlib::IdHistory](#) [AFIdHistory](#)

Definition at line 35 of file afId.h.

7.27.1.7 AFIdHistoryPtr

typedef [AFlib::IdHistoryPtr](#) [AFIdHistoryPtr](#)

Definition at line 36 of file afId.h.

7.27.1.8 AFIdObject

typedef [AFlib::IdObject](#) [AFIdObject](#)

Definition at line 39 of file afId.h.

7.27.1.9 AFIdObject_bit

typedef [AFlib::IdObject_bit](#) [AFIdObject_bit](#)

Definition at line 41 of file afId.h.

7.27.1.10 AFIdObjectPtr

typedef [AFlib::IdObjectPtr](#) [AFIdObjectPtr](#)

Definition at line 42 of file afId.h.

7.27.1.11 AFIdObjectPtrV

typedef [AFlib::IdObjectPtrV](#) [AFIdObjectPtrV](#)

Definition at line 43 of file afId.h.

7.27.1.12 AFIdObjectTemplate

typedef AFlib::IdObjectTemplate AFIdObjectTemplate

Definition at line 40 of file afId.h.

7.27.1.13 AFIdOperate

typedef AFlib::IdOperate AFIdOperate

Definition at line 45 of file afId.h.

7.27.1.14 AFIdOperatePtr

typedef AFlib::IdOperatePtr AFIdOperatePtr

Definition at line 46 of file afId.h.

7.27.1.15 AFIdOperatePtrList

typedef AFlib::IdOperatePtrList AFIdOperatePtrList

Definition at line 47 of file afId.h.

7.27.1.16 AFTransferOperateSendList

typedef AFlib::TransferOperateSendList AFTransferOperateSendList

Definition at line 53 of file afId.h.

7.28 lib_baseAF/include/lib_baseAF/afIdAccount.h File Reference

```
#include "afIdBit.h"
#include "afEnum.h"
```

Classes

- struct AFlib::id::Account_bit

Namespaces

- AFlib
- AFlib::id

Typedefs

- typedef Account_bit AFlib::id::Acc_bit
- typedef QList< Account_bit > AFlib::id::AccList_b

7.29 lib_baseAF/include/lib_baseAF/afIdBit.h File Reference

```
#include <bitset>
#include <iostream>
#include <cmath>
#include <QtCore/QDataStream>
#include <QtCore/QBuffer>
#include <QtCore/QDebug>
#include <QtCore/QSharedPointer>
```

Classes

- struct AFlib::id::TbitStruct< bitsize >
- struct AFlib::id::TbitStruct< bitsize >

Namespaces

- AFlib
- AFlib::id

Functions

- template<uint bsize>
  QDataStream & operator<< (QDataStream &s, const AFlib::id::TbitStruct< bsize > &data)
- template<uint bsize>
  QDataStream & operator>> (QDataStream &s, AFlib::id::TbitStruct< bsize > &data)
- template<typename T >
  QDataStream & operator<< (QDataStream &s, const std::vector< QSharedPointer< T >> &list)
- template<typename T >
  QDataStream & operator>> (QDataStream &s, std::vector< QSharedPointer< T >> &list)

7.29.1 Function Documentation

7.29.1.1 operator$<<$**() [1/2]**

```
template<uint bsize>
QDataStream & operator<< (
            QDataStream & s,
            const AFlib::id::TbitStruct< bsize > & data )
```

Definition at line 166 of file afIdBit.h.

7.29.1.2 operator$<<$**() [2/2]**

```
template<typename T >
QDataStream& operator<< (
            QDataStream & s,
            const std::vector< QSharedPointer< T >> & list )
```

Definition at line 189 of file afIdBit.h.

7.29.1.3 operator$>>$**() [1/2]**

```
template<uint bsize>
QDataStream & operator>> (
            QDataStream & s,
            AFlib::id::TbitStruct< bsize > & data )
```

Definition at line 173 of file afIdBit.h.

7.29.1.4 operator$>>$**() [2/2]**

```
template<typename T >
QDataStream& operator>> (
            QDataStream & s,
            std::vector< QSharedPointer< T >> & list )
```

Definition at line 204 of file afIdBit.h.

7.30 lib_baseAF/include/lib_baseAF/afIdGlobalBit.h File Reference

```
#include "afIdBit.h"
#include "afIdAccount.h"
#include "afIdObjectBit.h"
```

Classes

- struct AFlib::id::Global_bit

Namespaces

- AFlib
- AFlib::id

Typedefs

- typedef QList< Global_bit > AFlib::id::GlobalList_bit

Functions

- QDebug operator<< (QDebug d, const AFlib::id::Global_bit &object)

7.30.1 Function Documentation

7.30.1.1 operator<<()

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Global_bit & object )
```

Definition at line 33 of file afIdGlobalBit.cpp.

7.31 lib_baseAF/include/lib_baseAF/afIdHistory.h File Reference

```
#include <QtCore/QDateTime>
#include <QtCore/QSharedPointer>
#include "afIdOperate.h"
#include "afIdObjectBit.h"
#include "afIdGlobalBit.h"
```

Classes

- class AFlib::id::History

Namespaces

- AFlib
- AFlib::id

Typedefs

- typedef QSharedPointer< History > AFlib::id::HistoryPtr

Enumerations

- enum AFlib::Attribute
- enum AFlib::Compress

7.32 lib_baseAF/include/lib_baseAF/afIdObject.h File Reference

```
#include "afIdHistory.h"
#include "afIdObjectBit.h"
```

Classes

- class AFlib::id::Object

Namespaces

- AFlib
- AFlib::id

Typedefs

- typedef QSharedPointer< Object > AFlib::id::ObjectPtr
- typedef std::vector< ObjectPtr > AFlib::id::ObjectPtrV

Functions

- QDebug operator<< (QDebug d, const AFlib::id::Object &object)
- bool operator== (const AFlib::id::ObjectPtr ptr, const AFlib::id::Object &object)
- bool operator== (const AFlib::id::ObjectPtr l, const AFlib::id::ObjectPtr r)
- AFlib::id::ObjectPtrV & operator+= (AFlib::id::ObjectPtrV &l, const AFlib::id::ObjectPtrV &r)

7.32.1 Function Documentation

7.32.1.1 operator+=()

```
AFlib::id::ObjectPtrV& operator+= (
          AFlib::id::ObjectPtrV & l,
          const AFlib::id::ObjectPtrV & r )
```

Definition at line 307 of file afIdObject.cpp.

7.32.1.2 operator$<<$**()**

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Object & object )
```

Definition at line 283 of file afIdObject.cpp.

7.32.1.3 operator==() `[1/2]`

```
bool operator== (
            const AFlib::id::ObjectPtr l,
            const AFlib::id::ObjectPtr r )
```

Definition at line 302 of file afIdObject.cpp.

7.32.1.4 operator==() `[2/2]`

```
bool operator== (
            const AFlib::id::ObjectPtr ptr,
            const AFlib::id::Object & object )
```

Definition at line 295 of file afIdObject.cpp.

7.33 lib_baseAF/include/lib_baseAF/afIdObjectBit.h File Reference

```
#include "afIdBit.h"
#include "afIdAccount.h"
#include <QtCore/QDebug>
```

Classes

- struct AFlib::id::Object_bit

    The Function class.

Namespaces

- AFlib
- AFlib::id

Typedefs

- typedef Object_bit AFlib::id::Obj_bit

Functions

- QDebug operator<< (QDebug d, const AFlib::id::Object_bit &obj_b)
- bool operator== (const AFlib::id::Object_bit &left, const AFlib::id::Object_bit &right)

7.33.1 Function Documentation

7.33.1.1 operator<<()

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Object_bit & obj_b )
```

Definition at line 49 of file afIdObjectBit.cpp.

7.33.1.2 operator==()

```
bool operator== (
            const AFlib::id::Object_bit & left,
            const AFlib::id::Object_bit & right )  [inline]
```

Definition at line 106 of file afIdObjectBit.h.

7.34 lib_baseAF/include/lib_baseAF/afIdObjectTemplate.h File Reference

```
#include <QtCore/QObject>
#include "lib_baseAF/afIdObject.h"
```

Classes

- class AFlib::id::ObjectTemplate

7.35 lib_baseAF/include/lib_baseAF/afIdOperate.h File Reference

```
#include <QtCore/QDateTime>
#include <QtCore/QVariant>
#include <QtCore/QSharedPointer>
#include "afEnum.h"
#include "afIdAccount.h"
#include "afIdGlobalBit.h"
```

Classes

- struct AFlib::id::Operate_bit
- class AFlib::id::Operate

Namespaces

- AFlib
- AFlib::id

Typedefs

- typedef QSharedPointer< Operate > AFlib::id::OperatePtr
- typedef QVector< OperatePtr > AFlib::id::OperatePtrList

Functions

- QDebug operator<< (QDebug d, const AFlib::id::Operate &op)
- QDebug operator<< (QDebug d, const AFlib::id::Operate_bit &op_b)
- std::ostream & operator<< (std::ostream &os, const AFlib::id::Operate &op)
- QDataStream & operator<< (QDataStream &stream, const AFlib::id::OperatePtrList &data)
- QDataStream & operator>> (QDataStream &stream, AFlib::id::OperatePtrList &data)

7.35.1 Function Documentation

7.35.1.1 operator<<() [1/4]

```
QDataStream& operator<< (
            QDataStream & stream,
            const AFlib::id::OperatePtrList & data )
```

Definition at line 74 of file afIdOperate.cpp.

7.35.1.2 operator<<() [2/4]

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Operate & op )
```

Definition at line 131 of file afIdOperate.cpp.

7.35.1.3 operator$<<$**() [3/4]**

```
QDebug operator<< (
            QDebug d,
            const AFlib::id::Operate_bit & op_b )
```

Definition at line 145 of file afIdOperate.cpp.

7.35.1.4 operator$<<$**() [4/4]**

```
std::ostream& operator<< (
            std::ostream & os,
            const AFlib::id::Operate & op )
```

Definition at line 117 of file afIdOperate.cpp.

7.35.1.5 operator$>>$**()**

```
QDataStream& operator>> (
            QDataStream & stream,
            AFlib::id::OperatePtrList & data )
```

Definition at line 82 of file afIdOperate.cpp.

7.36 lib_baseAF/include/lib_baseAF/afLinkedList.h File Reference

```
#include <forward_list>
```

7.37 lib_baseAF/include/lib_baseAF/afPreference.h File Reference

7.38 lib_baseAF/include/lib_baseAF/afServerSettings.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QMap>
#include <QtCore/QSharedPointer>
#include <QtCore/QDateTime>
#include <QtCore/QSettings>
```

Classes

- class AFlib::ServerSetting

Namespaces

- AFlib

Typedefs

- typedef QSharedPointer< ServerSetting > AFlib::ServerSettingPtr

Functions

- ServerSettingPtr AFlib::afServerSettings (QObject ∗parent=nullptr)
- AFlib::ServerSettingPtr afServerSettings (QObject ∗parent=nullptr)

7.38.1 Function Documentation

7.38.1.1 afServerSettings()

```
AFlib::ServerSettingPtr afServerSettings (
            QObject * parent = nullptr )
```

Definition at line 38 of file afServerSettings.cpp.

7.39 lib_baseAF/include/lib_baseAF/afSetting.h File Reference

```
#include <QtCore/QObject>
```

Classes

- class AFlib::Setting

Namespaces

- AFlib

Typedefs

- typedef QSharedPointer< Setting > AFlib::SettingPtr

7.40 lib_baseAF/include/lib_baseAF/afStorage.h File Reference

```
#include <QtCore/QDateTime>
#include "afDir.h"
#include "afId.h"
#include <QtCore/QCoreApplication>
```

Classes

- class AFlib::Storage
- struct AFlib::Storage::SingleStorage
- struct AFlib::Storage::PluginStorage
- struct AFlib::Storage::AccountStorage

Namespaces

- AFlib

Typedefs

- typedef QSharedPointer< Storage > AFlib::StoragePtr
- typedef AFlib::Storage AFStorage
- typedef AFlib::StoragePtr AFStoragePtr

Functions

- StoragePtr AFlib::afStorage ()

7.40.1 Typedef Documentation

7.40.1.1 AFStorage

```
typedef AFlib::Storage AFStorage
```

Definition at line 102 of file afStorage.h.

7.40.1.2 AFStoragePtr

```
typedef AFlib::StoragePtr AFStoragePtr
```

Definition at line 103 of file afStorage.h.

7.41 lib_baseAF/include/lib_baseAF/afSystem.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QString>
#include "afEnum.h"
```

Classes

- class AFlib::System

Namespaces

- AFlib

7.42 lib_baseAF/include/lib_baseAF/afTransferOperateList.h File Reference

```
#include "afIdAccount.h"
#include "afIdObjectBit.h"
#include "afIdOperate.h"
#include "afIdObject.h"
```

Classes

- struct AFlib::transfer::answer::Object
- struct AFlib::transfer::answer::DPathObjectList
- class AFlib::transfer::Answer
- struct AFlib::transfer::send::Operates
- struct AFlib::transfer::send::Objects
- class AFlib::transfer::Send

Namespaces

- AFlib
- AFlib::transfer
- AFlib::transfer::send
- AFlib::transfer::answer

7.43 lib_baseAF/template/afLinkedList.cpp File Reference

7.44 lib_baseAF/tool/afDir.cpp File Reference

```
#include <QtCore/QDebug>
#include <QtCore/QCoreApplication>
#include <QtCore/QStandardPaths>
#include "afDir.h"
#include <iostream>
```

Macros

- #define TEST_RELEASE true

Functions

- DirPtr AFDir ()

7.44.1 Macro Definition Documentation

7.44.1.1 TEST_RELEASE

```
#define TEST_RELEASE true
```

Definition at line 9 of file afDir.cpp.

7.44.2 Function Documentation

7.44.2.1 AFDir()

```
DirPtr AFDir ( )
```

Definition at line 243 of file afDir.cpp.

7.45 lib_baseAF/tool/afDir2.cpp File Reference

```
#include <QtCore/QDebug>
#include <QtCore/QCoreApplication>
#include "dir.h"
```

Macros

- #define TEST_RELEASE true

Functions

- DirPtr AFDir ()

7.45.1 Macro Definition Documentation

7.45.1.1 TEST_RELEASE

```
#define TEST_RELEASE true
```

Definition at line 7 of file afDir2.cpp.

7.45.2 Function Documentation

7.45.2.1 AFDir()

```
DirPtr AFDir ( )
```

Definition at line 172 of file afDir2.cpp.

7.46 lib_baseAF/tool/afFile.cpp File Reference

```
#include "lib_baseAF/afFile.h"
#include "lib_baseAF/afDir.h"
#include <QtCore/QFile>
#include <QtCore/QDataStream>
#include <QtCore/QSharedPointer>
#include <QtCore/QDebug>
```

7.47 lib_baseAF/tool/afPreference.cpp File Reference

7.48 lib_baseAF/tool/afServerSettings.cpp File Reference

```
#include "lib_baseAF/afServerSettings.h"
```

Functions

- AFlib::ServerSettingPtr afServerSettings (QObject ∗parent)

Variables

- AFlib::ServerSettingPtr p_serverSettingsPtr

7.48.1 Function Documentation

7.48.1.1 afServerSettings()

[AFlib::ServerSettingPtr](#) afServerSettings (
          QObject * *parent*)

Definition at line 38 of file afServerSettings.cpp.

7.48.2 Variable Documentation

7.48.2.1 p_serverSettingsPtr

[AFlib::ServerSettingPtr](#) p_serverSettingsPtr

Definition at line 3 of file afServerSettings.cpp.

7.49 lib_baseAF/tool/afSetting.cpp File Reference

```
#include "afSetting.h"
#include <QtCore/QVariant>
```

7.50 lib_baseAF/tool/afStorage.cpp File Reference

```
#include "afStorage.h"
#include <QtCore/QDebug>
#include "lib_baseAF/afFile.h"
#include "afTransferOperateList.h"
#include "afAccountStorage.h"
```

Variables

- static [StoragePtr storage_ptr](#)

7.50.1 Variable Documentation

7.50.1.1 storage_ptr

StoragePtr storage_ptr [static]

Definition at line 8 of file afStorage.cpp.

7.51 lib_baseAF/tool/afTransferOperateList.cpp File Reference

#include "afTransferOperateList.h"

Namespaces

- AFlib
- AFlib::transfer
- AFlib::transfer::answer
- AFlib::transfer::send

Functions

- QDataStream & AFlib::transfer::answer::operator<< (QDataStream &stream, const AFlib::transfer::answer::Object &data)
- QDataStream & AFlib::transfer::answer::operator>> (QDataStream &stream, AFlib::transfer::answer::Object &data)
- QDataStream & AFlib::transfer::answer::operator<< (QDataStream &stream, const AFlib::transfer::answer::DPathObjectList &data)
- QDataStream & AFlib::transfer::answer::operator>> (QDataStream &stream, AFlib::transfer::answer::DPathObjectList &data)
- QDataStream & AFlib::transfer::send::operator>> (QDataStream &stream, Objects &data)
- QDataStream & AFlib::transfer::send::operator<< (QDataStream &stream, Objects &data)
- QDataStream & AFlib::transfer::send::operator<< (QDataStream &stream, const AFlib::transfer::send::Operates &data)
- QDataStream & AFlib::transfer::send::operator>> (QDataStream &stream, AFlib::transfer::send::Operates &data)

7.52 lib_quickAF/include/lib_quickAF/guiApplication.h File Reference

#include <QtGui/QGuiApplication>
#include <QtQuick/QQuickView>
#include "guiPlugin.h"
#include "menuModel.h"

Classes

- class AFquick::GuiApplication

Namespaces

- AFquick

Typedefs

- typedef AFquick::GuiApplication AFguiApplication

7.52.1 Typedef Documentation

7.52.1.1 AFguiApplication

```
typedef AFquick::GuiApplication AFguiApplication
```

Definition at line 76 of file guiApplication.h.

7.53 lib_quickAF/include/lib_quickAF/guiPlugin.h File Reference

```
#include <QtCore/QObject>
#include <QtCore/QSharedPointer>
#include <QtCore/QUrl>
```

Classes

- class AFquick::GuiPlugin

Namespaces

- AFquick

Typedefs

- typedef QSharedPointer< GuiPlugin > AFquick::GuiPluginPtr
- typedef AFquick::GuiPluginPtr AFguiPluginPtr

7.53.1 Typedef Documentation

7.53.1.1 AFguiPluginPtr

typedef AFquick::GuiPluginPtr AFguiPluginPtr

Definition at line 41 of file guiPlugin.h.

7.54 lib_quickAF/include/lib_quickAF/guiSize.h File Reference

```
#include <QtCore/QPoint>
#include <QtCore/QObject>
#include <QtCore/QSharedPointer>
```

Classes

- class AFquick::GuiSize

Namespaces

- AFquick

Typedefs

- typedef QSharedPointer< GuiSize > AFquick::GuiSizePtr
- typedef AFquick::GuiSize AFguiSize
- typedef AFquick::GuiSizePtr AFguiSizePtr

Functions

- GuiSizePtr AFquick::guiSize ()
- AFguiSizePtr afGuiSize ()

7.54.1 Typedef Documentation

7.54.1.1 AFguiSize

typedef AFquick::GuiSize AFguiSize

Definition at line 43 of file guiSize.h.

7.54.1.2 AFguiSizePtr

typedef AFquick::GuiSizePtr AFguiSizePtr

Definition at line 44 of file guiSize.h.

7.54.2 Function Documentation

7.54.2.1 afGuiSize()

AFguiSizePtr afGuiSize ( )

Definition at line 52 of file guiSize.cpp.

7.55 lib_quickAF/include/lib_quickAF/menuModel.h File Reference

#include <QtCore/QAbstractListModel>

Classes

- struct AFquick::MenuSingle
- class AFquick::MenuModel

Namespaces

- AFquick

Typedefs

- typedef AFquick::MenuModel AFquickMenuModel

7.55.1 Typedef Documentation

7.55.1.1 AFquickMenuModel

typedef AFquick::MenuModel AFquickMenuModel

Definition at line 49 of file menuModel.h.

7.56   lib_quickAF/rc/Base/App.qml File Reference

7.57   lib_quickAF/rc/Base/Menu.qml File Reference

7.58   lib_quickAF/rc/Base/Plugin.qml File Reference

7.59   lib_quickAF/rc/Component/Plugin.qml File Reference

7.60   lib_quickAF/rc/Component/BusyIndicator.qml File Reference

7.61   lib_quickAF/rc/Component/Content.qml File Reference

7.62   lib_quickAF/rc/Component/Header.qml File Reference

7.63   lib_quickAF/rc/Component/Mirror.qml File Reference

7.64   lib_quickAF/rc/Component/TextInput.qml File Reference

7.65   lib_quickAF/rc/Item/TextInput.qml File Reference

7.66   lib_quickAF/rc/Enum/ColorItem.qml File Reference

7.67   lib_quickAF/rc/Enum/Colors.qml File Reference

7.68   lib_quickAF/rc/Enum/MQEnum.qml File Reference

7.69   lib_quickAF/rc/Item/AFbutton.qml File Reference

7.70   lib_quickAF/rc/Item/AFtext.qml File Reference

7.71   lib_quickAF/rc/Item/CheckBox.qml File Reference

7.72   lib_quickAF/rc/Item/Combobox.qml File Reference

7.73   lib_quickAF/rc/Item/DigitTextInput.qml File Reference

7.74   lib_quickAF/rc/Item/LinkText.qml File Reference

7.75   lib_quickAF/rc/Item/Position.qml File Reference

7.76   lib_quickAF/rc/Item/Separate.qml File Reference

7.77   lib_quickAF/rc/Item/Slider.qml File Reference

7.78   lib_quickAF/rc/Item/SpinBox.qml File Reference

7.79   lib_quickAF/rc/Item/TabButton.qml File Reference

```
#include "guiSize.h"
#include <QtQml/QQmlContext>
#include <QtQuick/QQuickItem>
#include <AFaccount/AfAccountStorage>
#include <AFbase/AfStorage>
```

Functions

- QUrl m_defaultQmlUrl ("qrc:/AFquick/Base/App.qml")

7.83.1 Function Documentation

7.83.1.1 m_defaultQmlUrl()

```
QUrl m_defaultQmlUrl (
            "qrc:/AFquick/Base/App.qml" )
```

7.84 lib_quickAF/src/guiPlugin.cpp File Reference

```
#include "guiPlugin.h"
#include "guiApplication.h"
```

7.85 lib_quickAF/src/guiSize.cpp File Reference

```
#include "guiSize.h"
#include <QtGui/QGuiApplication>
#include <AFbase/AfSystem>
#include <QtGui/QScreen>
```

Functions

- AFguiSizePtr afGuiSize ()

Variables

- AFguiSizePtr afGuiSizePtr

7.85.1 Function Documentation

7.85.1.1 afGuiSize()

```
AFguiSizePtr afGuiSize ( )
```

Definition at line 52 of file guiSize.cpp.

7.85.2 Variable Documentation

7.85.2.1 afGuiSizePtr

```
AFguiSizePtr afGuiSizePtr
```

Definition at line 6 of file guiSize.cpp.

7.86 lib_quickAF/src/menuModel.cpp File Reference

```
#include "menuModel.h"
```

7.87 serverAF/main.cpp File Reference

```
#include <QtCore/QCoreApplication>
#include "server.h"
```

Functions

- int main (int argc, char ∗∗argv)

7.87.1 Function Documentation

7.87.1.1 main()

```
int main (
            int argc,
            char ** argv )
```

Definition at line 4 of file main.cpp.

7.88 serverAF/server.cpp File Reference

```
#include "server.h"
#include <AfAPI>
#include <AFaccountLib>
#include <AFbaseLib>
```

7.89 serverAF/server.h File Reference

```
#include <QtCore/QByteArray>
#include <QtHttpServer/QHttpServer>
```

Classes

- class Server