NAME

Net::DBus::ASyncReply − asynchronous method reply handler

SYNOPSIS

```
use Net::DBus::Annotation qw(:call);

my $object = $service->get_object("/org/example/systemMonitor");

# List processes & get on with other work until
# the list is returned.
my $asyncreply = $object->list_processes(dbus_call_async, "someuser");

while (!$asyncreply->is_ready) {
  ... do some background work..
}

my $processes = $asyncreply->get_result;
```

DESCRIPTION

This object provides a handler for receiving asynchronous method replies. An asynchronous reply object is generated when making remote method call with the `dbus_call_async` annotation set.

METHODS

`$asyncreply->discard_result;`

Indicates that the caller is no longer interested in receiving the reply & that it should be discarded. After calling this method, this object should not be used again.

`$asyncreply->wait_for_result;`

Blocks the caller waiting for completion of the of the asynchronous reply. Upon returning from this method, the result can be obtained with the `get_result` method.

my `$boolean = $asyncreply->is_ready;`

Returns a true value if the asynchronous reply is now complete (or a timeout has occurred). When this method returns true, the result can be obtained with the `get_result` method.

`$asyncreply->set_notify($coderef);`

Sets a notify function which will be invoked when the asynchronous reply finally completes. The callback will be invoked with a single parameter which is this object.

my `@data = $asyncreply->get_result;`

Retrieves the data associated with the asynchronous reply. If a timeout occurred, then this method will throw an exception. This method can only be called once the reply is complete, as indicated by the `is_ready` method returning a true value. After calling this method, this object should no longer be used.

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SEE ALSO

Net::DBus, Net::DBus::RemoteObject, Net::DBus::Annotation