

目录

前言	1.1
概览	1.2
Frida逆向实例	1.3
代码段	1.3.1
Frida官网	1.3.1.1
网上别人的案例	1.3.1.2
frida	1.3.2
iOS的ObjC	1.3.2.1
ObjC的Object	1.3.2.1.1
\$methods和\$ownMethods	1.3.2.1.1.1
Interceptor=hook函数	1.3.2.1.2
单个类的单个函数	1.3.2.1.2.1
单个类的所有函数	1.3.2.1.2.2
所有类的所有函数	1.3.2.1.2.3
ApiResolver	1.3.2.1.3
Stalker	1.3.2.1.4
____lldb_unnamed_symbol2575\$\$akd	1.3.2.1.4.1
frida-trace	1.3.3
iOS的ObjC	1.3.3.1
akd中Apple账号验证过程	1.3.3.1.1
Preferences中Apple账号登录全过程	1.3.3.1.2
Frida工具函数	1.4
通用js函数	1.4.1
Frida的js通用函数	1.4.1.1
iOS函数	1.4.2
iOS函数调用堆栈	1.4.2.1
Android函数	1.4.3
附录	1.5
参考资料	1.5.1

Frida逆向实例和工具函数

- 最新版本: v0.8
- 更新时间: 20240319

简介

整理Frida逆向期间涉及到的各种实际案例，以及整理出的各种工具类函数。其中Frida的实际使用案例，包括网上别人的实例案例，包括官网的Cdeshare，以及frida和frida-trace。frida中包括iOS的ObjC的各种例子。包括Object对象的methods和ownMethods，以及用Interceptor去hook函数的，单个类的单个函数、单个类的所有函数、所有类的所有函数等。以及ApiResolver的案例以及Stalker的案例，尤其是`__lldb_unnamed_symbol2575$$akd`的完整代码；接着是frida-trace的实际例子，包括ObjC的akd中Apple账号验证过程、Preferences中Apple账号登录全过程的详细内容。

源码+浏览+下载

本书的各种源码、在线浏览地址、多种格式文件下载如下：

HonKit源码

- [crifan/frida_re_example_function: Frida逆向实例和工具函数](#)

如何使用此HonKit源码去生成发布为电子书

详见：[crifan/honkit_template: demo how to use crifan honkit template and demo](#)

在线浏览

- [Frida逆向实例和工具函数 book.crifan.org](#)
- [Frida逆向实例和工具函数 crifan.github.io](#)

离线下载阅读

- [Frida逆向实例和工具函数 PDF](#)
- [Frida逆向实例和工具函数 ePUB](#)
- [Frida逆向实例和工具函数 MOBI](#)

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各种技术类教程，仅作为学习和研究使用。请勿用于任何非法用途。如有非法用途，均与本人无关。

鸣谢

感谢我的老婆陈雪的包容理解和悉心照料，才使得我 crifan 有更多精力去专注技术专研和整理归纳出这些电子书和技术教程，特此鸣谢。

其他

作者的其他电子书

本人 crifan 还写了其他 150+ 本电子书教程，感兴趣可移步至：

[crifan/crifan_ebook_readme: Crifan的电子书的使用说明](#)

关于作者

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[关于CrifanLi李茂 – 在路上](#)

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概览

Frida逆向期间，涉及到各种各种实际案例，以及整理出各种常用的工具类函数。整理至此，供参考。

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Frida逆向实例

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Frida实例之代码段

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Frida官网

- Frida官网
 - (Frida作者) oleavr写的，实例代码
 - [oleavr/frida-agent-example: Example Frida agent written in TypeScript](#)
 - [frida-presentations](#)

Frida Codeshare

由于Frida功能太强大，使得用的人很多，出现了很多用法和案例。官网专门做了个代码分享平台，列出了不同人的不用用法供大家参考，叫做：

- Frida CodeShare
 - 概述：The Frida CodeShare project is comprised of developers from around the world working together with one goal - push Frida to its limits in new and innovative ways.
 - 列表页面
 - [Frida CodeShare BROWSE CODE](#)

下面列出一些，相对常用的案例：

- iOS工具类
 - [Project: iOS Utils](#)
- 绕过证书校验
 - [Project: iOS SSL Bypass](#)

如何利用Frida codeshare的代码

除了拷贝代码放到自己 `js` 文件中之外，还可以直接引用：

直接调用分享的代码：

```
frida --codeshare <frida_codeshare_url_without_url_prefix> -f <YOUR_BINARY>
```

- 举例
 - ios-utils


```
frida --codeshare lichao890427/ios-utils -f <YOUR_BINARY>
```

 - 对应URL是：<https://codeshare.frida.re/@lichao890427/ios-utils/>
 - dump-ios


```
frida --codeshare lichao890427/dump-ios -f <YOUR_BINARY>
```


网上别人的案例

- 网上的别人的Frida的使用案例
 - [Frida在iOS平台进行OC函数hook的常用方法 | 8Biiit's Blog](#)

lich4/personal_script

- [personal_script/Frida_script at master · lich4/personal_script · GitHub](#)
 - ios_utils
 - https://github.com/lich4/personal_script/blob/master/Frida_script/ios_utils.js
 - antijailbreak
 - https://github.com/lich4/personal_script/blob/master/Frida_script/antijailbreak.js
 - getdeviceinfo
 - https://github.com/lich4/personal_script/blob/master/Frida_script/getdeviceinfo.js
 - ios_dump
 - https://github.com/lich4/personal_script/blob/master/Frida_script/ios_dump.js
 - recvfrom
 - https://github.com/lich4/personal_script/blob/master/Frida_script/recvfrom.js
 - sendto
 - https://github.com/lich4/personal_script/blob/master/Frida_script/sendto.js
 - android_hook_detect
 - https://github.com/lich4/personal_script/blob/master/Frida_script/android_hook_detect.js

noobpk/frida-ios-hook

- [frida-ios-hook/frida-scripts](#)
 - ssl pinning
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/bypass-ssl-ios13.js>
 - class + method
 - find
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/find-all-classes-methods.js>
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/find-all-classes.js>
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/find-app-classes-methods.js>
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/find-app-classes.js>
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/find-specific-method.js>
 - hook
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/hook-all-methods-of-all-classes-app-only.js>

- <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/hook-all-methods-of-specific-class.js>
- <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/hook-specific-method-of-class.js>
- dump=show
 - <https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/show-all-methods-of-specific-class.js>

0xdeaf/ Frida-scripts

- 0xdeaf/ Frida-scripts
 - https://github.com/0xdeaf/frida-scripts/blob/master/raptor_frida_android_enum.js
 - https://github.com/0xdeaf/frida-scripts/blob/master/raptor_frida_android_trace.js

poxyran/misc

- 用frida实现各种功能
 - misc/frida-read-process-memory.py at master · poxyran/misc · GitHub
 - counts the number of basic blocks
 - misc/count_func_bb.py
 - enumerate-imports
 - misc/frida-enumerate-imports.py
 - enumerate-modules
 - misc/frida-enumerate-modules.py
 - heap-trace
 - misc/frida-heap-trace.py
 - memory-scan
 - misc/frida-memory-scan.py
 - read-process-memory
 - misc/frida-read-process-memory.py
 - write-process-memory
 - misc/frida-write-process-memory.py
 - frida-stalker-example
 - misc/frida-stalker-example.py

iddoeldor/frida-snippets

- frida-snippets/README.md at master · iddoeldor/frida-snippets · GitHub
 - Native
 - Load C/C++ module
 - One time watchpoint
 - Socket activity
 - Intercept open
 - Execute shell command
 - List modules

- Log SQLite query
- Log method arguments
- Intercept entire module
- Dump memory segments
- Memory scan
- Stalker
- Cpp Demangler
- Early hook
- Android
 - Binder transactions
 - Get system property
 - Reveal manually registered native symbols
 - Enumerate loaded classes
 - Class description
 - Turn WiFi off
 - Set proxy
 - Get IMEI
 - Hook io InputStream
 - Android make Toast
 - Await for specific module to load
 - Webview URLs
 - Print all runtime strings & stacktrace
 - String comparison
 - Hook JNI by address
 - Hook constructor
 - Hook Java reflection
 - Trace class
 - Hooking Unity3d
 - Get Android ID
 - Change location
 - Bypass FLAG_SECURE
 - Shared Preferences update
 - Hook all method overloads
 - Register broadcast receiver
 - Increase step count
 - File system access hook \$ frida --codeshare FrenchYeti/android-file-system-access-hook -f com.example.app --no-pause
 - How to remove/disable java hooks ? Assign null to the implementation property.
- iOS
 - OS Log
 - iOS alert box
 - File access
 - Observe class
 - Find application UUID
 - Extract cookies
 - Describe class members

- Class hierarchy
- Hook refelaction
- Device properties
- Take screenshot
- Log SSH commands
- Windows
- Sublime snippets
- Vim snippets
- JEB

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frida

此处介绍使用 `frida` 命令去调试的实际案例，供参考。

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iOS的ObjC

此处贴出用 frida 去调试各种 ios 的 objC 的类和函数的实际案例，供参考。

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ObjC的Object

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\$methods和\$ownMethods

NSXPConnection

对于 ObjC 的 NSXPConnection 的实例对象:

```
argSelfObj: NSXPConnection: 0x154d09250 connection from pid 46847 on mach service named com.apple.ak.auth.xpc
```

NSXPConnection 的 \$methods

代码:

```
const connMethods = argSelfObj.$methods;
console.log("connMethods=", connMethods);
```

输出:

```
connMethods= + geo_createGEODaemonToMapsPushDaemonConnection, + geo_withMapsPushDaemon:errorHandler:, + beginTransaction, + endTransaction, + _handoffCurrentReplyToQueue:block:, + currentConnection, + fromPBCodable:, + CKSQLiteClassName, + CA_automaticallyNotifiesObservers:, + CA_setterForProperty:, + CA_getterForProperty:, + CA_encodesPropertyConditionally:type:, + CA_CAMLPropertyForKey:, + version, + load, + implementsSelector:, + instancesImplementSelector:, + setVersion:, + accessInstanceVariablesDirectly, + automaticallyNotifiesOb serversForKey:, + _createMutableOrderedSetValueGetterWithContainerClassID:key:, + cancelP reviousPerformRequestsWithTarget:selector:object:, + _createMutableArrayValueGetterWithC ontainerClassID:key:, + setKeys:triggerChangeNotificationsForDependentKey:, + _createMuta bleSetValueGetterWithContainerClassID:key:, + _createOtherValueGetterWithContainerClassI D:key:, + _createOtherValueSetterWithContainerClassID:key:, + _createValuePrimitiveGetter WithContainerClassID:key:, + _createValuePrimitiveSetterWithContainerClassID:key:, + repl acementObjectForPortCoder:, + cancelPreviousPerformRequestsWithTarget:, + _createValueGet terWithContainerClassID:key:, + _createValueSetterWithContainerClassID:key:, + _shouldAddObservationForwardersForKey:, + _keysForValuesAffectingValueForKey:, + classForKeyedUnarc hiver, + keyPathsForValuesAffectingValueForKey:, + classFallbacksForKeyedArchiver, + SFSQL iteClassName, + _copyDescription, + doesNotRecognizeSelector:, + __allocWithZone_OA:, + instanceMethodSignatureForSelector:, + methodSignatureForSelector:, + init, + description, + d ealloc, + supportsBSXPCSecureCoding, + bs_isPlistableType, + bs_dataFromObject:, + bs_secur eObjectFromData:ofClass:, + bs_secureObjectFromData:ofClasses:, + bs_objectFromData:, + bs _decodedFromData:, + bs_secureDataFromObject:, + bs_secureDecodedFromData:, + bs_secureDec odedFromData:withAdditionalClasses:, + supportsRBSXPCSecureCoding, + new, + self, + allocWithZone:, + superclass, + initialize, + performSelector:withObject:, + performSelector:withObject:withObject:, + performSelector:, + zone, + autorelease, + isSubclassOfClass:, + _isDeallocating, + isMemberOfClass:, + allowsWeakReference, + alloc, + isEqual:, + isKindOfClass:, + retainWeakReference, + retain, + retainCount, + instancesRespondToSelector:, + hash, + mutableCopyWithZone:, + forwardingTargetForSelector:, + resolveInstanceMethod:, + mutableCopy , + methodForSelector:, + instanceMethodForSelector:, + release, + respondsToSelector:, + isAncestorOfObject:, + _tryRetain, + debugDescription, + conformsToProtocol:, + class, + resol veClassMethod:, + copy, + copyWithZone:, + forwardInvocation:, + isProxy, + isFault, + topBPC ovable, + _intents_compareValue:relation:, + _intents_readableSubtitleWithLocalizer:meta data:, + descriptionAtIndent:, + _intents_enumerateObjectsOfClass:withBlock:, + _intents_isV
```

```

alidKey:, + _setterForProperty:, + _intents_indexingRepresentation, + _intents_readableTit
leWithLocalizer:metadata:, + _intents_readableTitleForLanguage:withMetadata:, + _intents_
readableSubtitleForLanguage:withMetadata:, + _intents_displayImageWithLocalizer:, + _inte
nts_localizedCopyWithLocalizer:, + _intents_readableTitleForLanguage:, + _intents_readabl
eTitleWithLocalizer:, + _intents_readableSubtitleWithLocalizer:, + _intents_readableSubti
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ntents_readableDescriptionForLanguage:withMetadata:, + _intents_readableDescriptionwithL
ocalizer:, + _intents_readableDescriptionWithLocalizer:metadata:, + ifSetValueIfNonNil:f
orKey:, + ifSetValueIfYES:ForKey:, + stringValueSafe:, + utf8ValueSafe:, + boolValueSafe,
+ boolValueSafe:, + int64ValueSafe:, + int64ValueSafe:, + doubleValueSafe:, + doubleValueSafe:
+, + stringValueSafe:, + utf8ValueSafe:, + CKDescriptionPropertiesWithPublic:private:shouldEx
pand:, + CKDescription, + CKUnredactedDescription, + CKRedactedDescription, + CKDescription
Redact:avoidShortDescription:, + CKObjectDescriptionRedact:avoidShortDescription:, + CKOb
jectDescriptionRedact:, + ck_bindInStatementAtIndex:, + CKAssignToContainerWithID:, + CKS
ingleLineDescription, + _CKDescriptionWithExpansion:, + CKExpandedDescription, + CKPropert
iesDescriptionStringFromProperties:, + CKHashedDescription, + CKPropertiesDescription, + C
A_validateValue:ForKey:, + CA_copyRenderValue, + CAMLTypeForKey:, + encodeWithCAMLWriter:
+, + CA_distanceToValue:, + CA_interpolateValues:::interpolator:, + CA_interpolateValue:byFr
action:, + CAMLType, + CA_copyNumericValue:, + CA_archivingValueForKey:, + CA_copyRenderVal
ueWithColorspace:, + CA_addValue:multipliedBy:, + CA_roundToIntegerFromValue:, + CAMLTypeS
upportedForKey:, + CA_prepareRenderValue, + carpf_registerObserverForKeyPath:options:hand
ler:, + _allowsDirectEncoding, + awakeAfterUsingCoder:, + classForCoder, + replacementObjec
tForCoder:, + removeObserverForKeyPath:, + removeObservation:, + _isKVOA, + _changeValueFo
rKeys:count:maybeOldValuesDict:maybeNewValuesDict:usingBlock:, + setObservationInfo:, + w
illChangeValueForKey:, + _didChangeValuesForKeys:, + _willChangeValuesForKeys:, + valueFor
UndefinedKey:, + addObserverForKeyPath:options:context:, + setValueForKey:, + performSel
ectorOnMainThread:withObject:waitUntilDone:modes:, + performSelector:onThread:withObject
:waitUntilDone:modes:, + dictionaryWithValuesForKeys:, + didChangeValueForKey:withSetMutat
ion:usingObjects:, + valueForKeyPath:, + performSelector:onThread:withObject:waitUntilDo
ne:, + classForKeyedArchiver, + _notifyObserversOfChangeFromValuesForKeys:toValuesForKeys
:, + _observerStorageOfSize:, + willChangeValueForKey:withSetMutation:usingObjects:, + per
formSelectorOnMainThread:withObject:waitUntilDone:, + didChangeValueForKey:, + setNilValu
eForKey:, + _pendingChangeNotificationsArrayForKey:create:, + removeObservation:forObserv
ableKeyPath:, + performSelector:withObject:afterDelay:inModes:, + classForPortCoder, + per
formSelectorInBackground:withObject:, + finishObserving, + _addObserver:forProperty:optio
ns:context:, + observationInfo, + willChange:valuesAtIndexes:ForKey:, + classForArchiver,
+ _notifyObserversForKeyPath:change:, + _changeValueForKey:key:key:usingBlock:, + addObser
verBlock:, + _observerStorage, + setObservation:forObservingKeyPath:, + mutableOrderedSetV
alueForKeyPath:, + addObserver:forObservableKeyPath:, + performSelector:object:afterDelay
:, + setValuesForKeysWithDictionary:, + performSelector:withObject:afterDelay:, + didChang
e:valuesAtIndexes:ForKey:, + _destroyObserverList, + addChainedObservers:, + valueForKey:
+, + validateValueForKeyPath:error:, + mutableArrayValueForKeyPath:, + _receiveBox:, + recei
veObservedError:, + mutableSetValueForKeyPath:, + _isToManyChangeInformation, + replacemen
tObjectForKeyedArchiver:, + _overrideUseFastBlockObservers, + addObservationTransformer:
+, + addObserver:, + mutableSetValueForKey:, + _changeValueForKey:usingBlock:, + mutableArray
ValueForKey:, + _didEndKeyValueObserving, + _implicitObservationInfo, + replacementObjectF
orArchiver:, + _removeObserver:forProperty:, + validateValueForKey:error:, + autoContentA
ccessingProxy, + observeValueForKeyPath:ofObject:change:context:, + _willBeginKeyValueObs
erving, + mutableOrderedSetValueForKey:, + removeObserverForKeyPath:context:, + setValue:
ForKeyPath:, + receiveObservedValue:, + setValue:forUndefinedKey:, + isNSSet__, + isNSStrin
g__, + isNSDate__, + isNSNumber__, + isNSData__, + isNSObject__, + isArray__, + isNSValue__
, + isNSTimeZone__, + isNSOrderedSet__, + isNSDictionary__, + _cfTypeID, + isNSCFConstantStr
ing__, + _release_OA, + _retain_OA, + _tryRetain_OA, + _dealloc_zombie, + _autorelease
_OA, + bs_secureEncoded, + bs_encoded, + NSRepresentation, + RBSIsXPCObject, + pep_onMainThr
ead, + pep_onThread:, + pep_onThread:immediateForMatchingThread:, + pep_onOperationQueue:p

```

```

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getInvocation:+ isNull,+ performSelector:withObject:afterDelay:ignoreMenuTracking:+ __
_im_afterDelay:+ __im_afterDelay:modes:+ __im_onThread:+ __im_onMainThread,+ __im_on
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ad,+ __im_getInvocation:+ un_safeBoolValue,+ finalize,- cuValueForEntitlementNoCache:,-
uniquify,- hasEntitlement:,- shouldHandleInvalidation,- setShouldHandleInvalidation:,-
_EX_transaction,- _EX_setTransaction:,- _EX_extensionProcess,- _EX_setExtensionProces
s:,- addBarrierBlock:,- serviceName,- initWithMachServiceName:options:,- _sendInvocatio
n:orArguments:count:methodSignature:selector:withProxy:,- setUserInfo:,- setOptions:,-
effectiveGroupIdentifier,- setExportedObject:,- remoteObjectProxy,- userInfo,- interrup
tionHandler,- start,- remoteObjectProxyWithTimeout:errorHandler:,- _setQueue:,- _decode
AndInvokeReplyBlockWithEvent:sequence:replyInfo:,- _setUUID:,- initWithMachServiceName:-
invalidate,- exportedObject,- initWithServiceName:options:,- exportedInterface,- act
ivate,- _xpcConnection,- init,- invalidationHandler,- _queue,- setRemoteObjectInterface
:,- _unboostingRemoteObjectProxy,- setExportedInterface:,- initWithEndpoint:,- synchron
ousRemoteObjectProxyWithErrorHandler:,- _sendSelector:withProxy:arg1:arg2:arg3:arg4:,-
_decodeAndInvokeMessageWithEvent:flags:,- _sendSelector:withProxy:arg1:arg2:arg3:,- _in
itWithRemoteService:name:options:mode:,- delegate,- set_additionalInvalidationHandler:,-
_initWithRemoteService:name:options:,- resume,- _setLanguages:,- _decodeProgressMessa
geWithData:flags:,- remoteObjectProxyWithUserInfo:errorHandler:,- valueForEntitlement:,-
_pauseProgress:,- initWithServiceName:,- auditSessionIdentifier,- setInterruptionHand
ler:,- setInvalidationHandler:,- _cancelProgress:,- _resumeProgress:,- _killConnection:,-
_sendSelector:withProxy:arg1:arg2:,- _errorDescription,- suspend,- stop,- replace
tObjectForEncoder:object:,- _sendDesistForProxy:,- remoteObjectProxyWithErrorHandler:,-
_initWithRemoteConnection:name:,- effectiveUserIdentifer,- _additionalInvalidationHan
dler,- _sendSelector:withProxy:arg1:,- _remoteObjectInterfaceClass,- _sendSelector:with
Proxy:,- _setBootstrapObject:forKey:,- scheduleSendBarrierBlock:,- _initWithCustomTrans
port:,- auditToken,- _setTargetUserIdentifer:,- remoteObjectInterface,- setDelegate:,-
description,- initWithListenerEndpoint:,- dealloc,- processIdentifier,- endpoint,- toP
BCodable,- _intents_COMPAREValue:relation:,- _intents_readableSubtitleWithLocalizer:met
adata:,- descriptionAtIndent:,- _intents_enumerateObjectsOfClass:withBlock:,- _intents_
isValidKey:,- _setterForProperty:,- _intents_indexingRepresentation,- _intents_readable
TitleWithLocalizer:metadata:,- _intents_readableTitleForLanguage:withMetadata:,- _inten
ts_readableSubtitleForLanguage:withMetadata:,- _intents_displayImageWithLocalizer:,- _i
ntents_localizedCopyWithLocalizer:,- _intents_readableTitleForLanguage:,- _intents_read
ableTitleWithLocalizer:,- _intents_readableSubtitleWithLocalizer:,- _intents_readableSu
btitleForLanguage:,- _intents_displayImageForLanguage:,- _intents_setterForPropertyWith
Name:,- _intents_localizedCopyForLanguage:,- _intents_readableDescriptionForLanguage:,-
_intents_readableDescriptionForLanguage:withMetadata:,- _intents_readableDescriptionWi
thLocalizer:,- _intents_readableDescriptionWithLocalizer:metadata:,- ifSetValueIfNonNi
l:ForKey:,- ifSetValueIfYES:ForKey:,- stringValueSafe:,- utf8ValueSafe:,- boolValueSaf
e,- boolValueSafe:,- int64ValueSafe,- int64ValueSafe:,- doubleValueSafe,- doubleValueSa
fe,- stringValueSafe,- utf8ValueSafe,- CKDescriptionPropertiesWithPublic:private:shou
dExpand:,- CKDescription,- CKUnredactedDescription,- CKRedactedDescription,- CKDescript
ionRedact:avoidShortDescription:,- CKObjectDescriptionRedact:avoidShortDescription:,- C
KObjectDescriptionRedact:,- ck_bindInStatementAtIndex:,- CKAssignToContainerWithID:,-
CKSingleLineDescription,- _CKDescriptionWithExpansion:,- CKExpandedDescription,- CKProp
ertiesDescriptionStringFromProperties:,- CKHashedDescription,- CKPropertiesDescription,
- CA_validateValue:ForKey:,- CA_copyRenderValue,- CAMLTypeForKey:,- encodeWithCAMLWrit
er:,- CA_distanceToValue:,- CA_interpolateValues:::interpolator:,- CA_interpolateValue:b
yFraction:,- CAMLType,- CA_copyNumericValue:,- CA_archivingValueForKey:,- CA_copyRender
ValueWithColorspace:,- CA_addValue:multipliedBy:,- CA_roundToIntegerFromValue:,- CAMLTy
peSupportedForKey:,- CA_prepareRenderValue,- carpf_registerObserverForKeyPath:options:h
andler:,- _allowsDirectEncoding,- awakeAfterUsingCoder:,- classForCoder,- implementsSel
ector:,- replacementObjectForCoder:,- removeObserver:ForKeyPath:,- removeObservation:,-
_isKVOA,- _changeValueForKeys:count:maybeOldValuesDict:maybeNewValuesDict:usingBlock:,

```

```

- setObservationInfo:, - willChangeValueForKey:, - _didChangeValuesForKeys:, - _willChange
ValuesForKeys:, - valueForKey:, - addObserver:forKeyPath:options:context:, - setValue
ForKey:, - performSelectorOnMainThread:withObject:waitUntilDone:modes:, - performSel
ector:onThread:withObject:waitUntilDone:modes:, - dictionaryWithValuesForKeys:, - didChan
geValueForKey:withSetMutation:usingObjects:, - valueForKeyPath:, - performSelector:onThre
ad:withObject:waitUntilDone:, - classForKeyedArchiver, - _notifyObserversOfChangeFromValu
esForKeys:toValuesForKeys:, - _observerStorageOfSize:, - willChangeValueForKey:withSetMut
ation:usingObjects:, - performSelectorOnMainThread:withObject:waitUntilDone:, - didChange
ValueForKey:, - setNilValueForKey:, - replacementObjectForPortCoder:, - _pendingChangeNoti
ficationsArrayForKey:create:, - removeObservation:forObservableKeyPath:, - performSelecto
r:withObject:afterDelay:inModes:, - classForPortCoder, - performSelectorInBackground:with
Object:, - finishObserving, - _addObserver:forProperty:options:context:, - observationInfo
, - willChange:valuesAtIndexes:forKey:, - classForArchiver, - _notifyObserversForKeyPath:c
hange:, - _changeValueForKey:key:key:usingBlock:, - addObserverBlock:, - _observerStorage,
- setObservation:forObservingKeyPath:, - mutableOrderedSetValueForKeyPath:, - addObserver
:forObservableKeyPath:, - performSelector:object:afterDelay:, - setValuesForKeysWithDicti
onary:, - performSelector:withObject:afterDelay:, - didChange:valuesAtIndexes:forKey:, - _d
estroyObserverList, - addChainedObservers:, - valueForKey:, - validateValue:forKeyPath:er
ror:, - mutableArrayValueForKeyPath:, - _receiveBox:, - receiveObservedError:, - mutableSet
ValueForKeyPath:, - _isToManyChangeInformation, - replacementObjectForKeyedArchiver:, - _o
verrideUseFastBlockObservers, - addObservationTransformer:, - addObserver:, - mutableSetValue
ForKey:, - _changeValueForKey:usingBlock:, - mutableArrayValueForKey:, - _didEndKeyValue
Observing, - _implicitObservationInfo, - replacementObjectForArchiver:, - _removeObserver
:forProperty:, - validateValue:forKey:error:, - autoContentAccessingProxy, - observeValueF
orKeyPath:ofObject:change:context:, - _willBeginKeyValueObserving, - mutableOrderedSetValue
ForKey:, - removeObserver:forKeyPath:context:, - setValue:forKeyPath:, - receiveObserved
Value:, - setValue:forUndefinedKey:, - isNSSet__, - isNSString__, - isNSDate__, - isNSNumber
__, - isNSData__, - isNSObject__, - isNSArray__, - isNSValue__, - isNSTimeZone__, - isNSOrder
edSet__, - isNSDictionary__, - _cfTypeID, - isNSCFConstantString__, - _release_OA, - _retai
n_OA, - _copyDescription, - __tryRetain_OA, - doesNotRecognizeSelector:, - _dealloc_zomb
ie, - __autorelease_OA, - methodSignatureForSelector:, - bs_secureEncoded, - bs_encoded, - s
upportsRBSXPCSecureCoding, - bs_isPlistableType, - NSRepresentation, - RBSIsXPCObject, - sup
portsRBSXPCSecureCoding, - pep_onMainThread, - pep_onThread:, - pep_onThread:immediateForM
atchingThread:, - pep_onOperationQueue:priority:, - pep_onMainThreadIfNecessary, - pep_aft
erDelay:, - pep_onOperationQueue:, - pep_getInvocation:, - isNull, - performSelector:withOb
ject:afterDelay:ignoreMenuTracking:, - __im_afterDelay:, - __im_afterDelay:modes:, - __im_
onThread:, - __im_onMainThread, - __im_onThread:immediateForMatchingThread:, - __im_onMain
ThreadIfNecessary, - __im_onDetachedThread, - __im_getInvocation:, - un_safeBoolValue, - se
lf, - superclass, - performSelector:withObject:, - performSelector:withObject:withObject:, -
performSelector:, - zone, - autorelease, - finalize, - _isDeallocating, - isMemberOfClass:,
- allowsWeakReference, - isEqual:, - isKindOfClass:, - retainWeakReference, - retain, - ret
ainCount, - hash, - forwardingTargetForSelector:, - mutableCopy, - methodForSelector:, - rel
ease, - respondsToSelector:, - _tryRetain, - debugDescription, - conformsToProtocol:, - clas
s, - copy, - forwardInvocation:, - isProxy, - isFault

```

格式化后：

```

+ geo_createGEODaemonToMapsPushDaemonConnection
+ geo_withMapsPushDaemon:errorHandler:
+ beginTransaction
+ endTransaction
+ _handoffCurrentReplyToQueue:block:
+ currentConnection
+ fromPBCodable:
...

```

```

...
- respondsToSelector:
- _tryRetain
- debugDescription
- conformsToProtocol:
- class
- copy
- forwardInvocation:
- isProxy
- isFault

```

AKAppleIDAuthenticationService 的 \$ownMethods

代码:

```

const connOwnMethods = argSelfObj.$ownMethods;
console.log("connOwnMethods=", connOwnMethods);

```

输出:

```

connOwnMethods= + geo_createGEODaemonToMapsPushDaemonConnection,+ geo_withMapsPushDaemon:errorHandler:,+ beginTransaction,+ endTransaction,+ _handoffCurrentReplyToQueue:block:,+ currentConnection,- cuValueForEntitlementNoCache:,- uniquify,- hasEntitlement:,- shouldHandleInvalidation,- setShouldHandleInvalidation:,- _EX_transaction,- _EX_setTransaction:,- _EX_extensionProcess,- _EX_setExtensionProcess:,- addBarrierBlock:,- serviceName,- initWithMachServiceName:options:,- _sendInvocation:orArguments:count:methodSignature:selector:withProxy:,- setUserInfo:,- setOptions:,- effectiveGroupIdentifier,- setExportedObject:,- remoteObjectProxy,- userInfo,- interruptionHandler,- start,- remoteObjectProxyWithTimeout:errorHandler:,- _setQueue:,- _decodeAndInvokeReplyBlockWithEvent:sequence:replyInfo:,- _setUUID:,- initWithMachServiceName:,- invalidate,- exportedObject,- initWithServiceName:options:,- exportedInterface,- activate,- _xpcConnection,- init,- invalidationHandler,- _queue,- setRemoteObjectInterface:,- _unboostingRemoteObjectProxy,- setExportedInterface:,- initWithEndpoint:,- synchronousRemoteObjectProxyWithErrorHandler:,- _sendSelector:withProxy:arg1:arg2:arg3:arg4:,- _decodeAndInvokeMessageWithEvent:flags:,- _sendSelector:withProxy:arg1:arg2:arg3:,- _initWithRemoteService:name:options:mode:,- delegate,- set_additionalInvalidationHandler:,- _initWithRemoteService:name:options:,- resume,- _setLanguages:,- _decodeProgressMessageWithData:flags:,- remoteObjectProxyWithUserInfo:errorHandler:,- valueForEntitlement:,- _pauseProgress:,- initWithServiceName:,- auditSessionIdentifier,- setInterruptionHandler:,- setInvalidationHandler:,- _cancelProgress:,- _resumeProgress:,- _killConnection:,- _sendSelector:withProxy:arg1:arg2:,- _errorDescription,- suspend,- stop,- replacementObjectForEncoder:object:,- _sendDesistForProxy:,- remoteObjectProxyWithErrorHandler:,- _initWithRemoteConnection:name:,- effectiveUserIdentity,- _additionalInvalidationHandler,- _sendSelector:withProxy:arg1:,- _remoteObjectInterfaceClass,- _sendSelector:withProxy:,- _setBootstrapObject:forKey:,- scheduleSendBarrierBlock:,- _initWithCustomTransport:,- auditToken,- _setTargetUserIdentifier:,- remoteObjectInterface,- setDelegate:,- description,- initWithListenerEndpoint:,- dealloc,- processIdentifier,- endpoint

```

格式化后:

```
+ geo_createGEODaemonToMapsPushDaemonConnection
```

```
+ geo_withMapsPushDaemon:errorHandler:
+ beginTransaction
+ endTransaction
+ _handoffCurrentReplyToQueue:block:
+ currentConnection
- cuValueForEntitlementNoCache:
- uniquify
- hasEntitlement:
- shouldHandleInvalidation
- setShouldHandleInvalidation:
- _EX_transaction
- _EX_setTransaction:
- _EX_extensionProcess
- _EX_setExtensionProcess:
- addBarrierBlock:
- serviceName
- initWithMachServiceName:options:
- _sendInvocation:orArguments:count:methodSignature:selector:withProxy:
- setUserInfo:
- setOptions:
- effectiveGroupIdentifier
- setExportedObject:
- remoteObjectProxy
- userInfo
- interruptionHandler
- start
- remoteObjectProxyWithTimeout:errorHandler:
- _setQueue:
- _decodeAndInvokeReplyBlockWithEvent:sequence:replyInfo:
- _setUUID:
- initWithMachServiceName:
- invalidate
- exportedObject
- initWithServiceName:options:
- exportedInterface
- activate
- _xpcConnection
- init
- invalidationHandler
- _queue
- setRemoteObjectInterface:
- _unboostingRemoteObjectProxy
- setExportedInterface:
- initWithEndpoint:
- synchronousRemoteObjectProxyWithErrorHandler:
- _sendSelector:withProxy:arg1:arg2:arg3:arg4:
- _decodeAndInvokeMessageWithEvent:flags:
- _sendSelector:withProxy:arg1:arg2:arg3:
- _initWithRemoteService:name:options:mode:
- delegate
- set_additionalInvalidationHandler:
- _initWithRemoteService:name:options:
- resume
- _setLanguages:
- _decodeProgressMessageWithData:flags:
- remoteObjectProxyWithUserInfo:errorHandler:
```

```

- valueForEntitlement:
- _pauseProgress:
- initWithServiceName:
- auditSessionIdentifier
- setInterruptionHandler:
- setInvalidationHandler:
- _cancelProgress:
- _resumeProgress:
- _killConnection:
- _sendSelector:withProxy:arg1:arg2:
- _errorDescription
- suspend
- stop
- replacementObjectForEncoder:object:
- _sendDesistForProxy:
- remoteObjectProxyWithErrorHandler:
- _initWithRemoteConnection:name:
- effectiveUserIdentifier
- _additionalInvalidationHandler
- _sendSelector:withProxy:arg1:
- _remoteObjectInterfaceClass
- _sendSelector:withProxy:
- _setBootstrapObject:forKey:
- scheduleSendBarrierBlock:
- _initWithCustomTransport:
- auditToken
- _setTargetUserIdentifier:
- remoteObjectInterface
- setDelegate:
- description
- initWithListenerEndpoint:
- dealloc
- processIdentifier
- endpoint

```

其中：

- NSXPCCConnection
 - 没有之前Xcode调试所看到的属性
 - processName
 - processBundleIdentifier
 - 不过有我们所重点关注的其他的属性
 - exportedInterface
 - exportedObject
 - remoteObjectInterface
 - remoteObjectProxy
 - auditSessionIdentifier
 - effectiveUserIdentifier
 - effectiveGroupIdentifier
 - userInfo

-》实现了我们通过 \$methods 和 \$ownMethods 去调试 NSXPCCConnection 类的属性值，找到我们所关注的属性值

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Interceptor=hook函数

此处去介绍如何用Frida的Interceptor去hook拦截iOS的ObjC的函数的实际案例。

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单个类的单个函数

Frida去hook调试ObjC函数： - [NSXPConnection setExportedObject:]

- 背景

调试iPhone中的，设置 app中点击Apple账号登录的过程，内部会触发akd进程中的 iOS 的 ObjC 函数：

```
-[NSXPConnection setExportedObject:]
```

此处去写frida的js脚本，去调试hook，打印参数值

涉及到的操作iPhone中的app的页面有：





取消

下一步

Apple ID

使用 Apple ID 登录以使用 iCloud 和其他
Apple 服务。

Apple ID 电子邮件或电话

[没有或忘记 Apple ID?](#)



Apple ID 是您用于访问所有 Apple 服务的帐
户。iCloud 使用无线数据。



您的 Apple ID 信息用于登录时启用 Apple 服务，其中包括 iCloud 云备
份，该服务可自动备份设备上的数据，以便需要时进行替换或恢复。
您的设备序列号可能被用于检查服务的使用资格。 [了解数据的管理方
式...](#)



Apple ID 是您用于访问所有 Apple 服务的帐户。iCloud 使用无线数据。

您的 Apple ID 信息用于登录时启用 Apple 服务，其中包括 iCloud 云备份，该服务可自动备份设备上的数据，以便需要时进行替换或恢复。您的设备序列号可能被用于检查服务的使用资格。[了解数据的管理方式...](#)

最基础的，hook类的函数，只是打印参数值

- 适用场景：确定要hook的类和函数是：能找到的=是存在的 -> 代码才能正确hook，否则会报错找不到
 - 写法：直接把 `类名` 和 `函数名` 放到 `objc.classes` 的后面
 - 代码

```
const curMethod = ObjC.classes.NSXPCConnection["- setExportedObject:"];
// console.log("curMethod: ", curMethod);
// const iOSObjCallStr = "-[NSXPCConnection setExportedObject:]";

Interceptor.attach(curMethod.implementation, {
  onEnter: function(args) {
    // console.log("===== " + iOSObjCallStr + " =====");
    console.log("argSelf=" + args[0] + ", argSel=" + args[1] + ", realArg
1=" + args[2]);
  }
});
```

```

    }
});

```

- 适用场景：要hook的类和函数，不确定是否存在，所以加上判断
 - 写法：传入类名和函数名，先去查找在不在，找到后，才hook
 - 代码

```

// https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/hook-specific-method-of-class.js
function hook_specific_method_of_class(className, funcName)
{
  // console.log("className=" + className + ", funcName=" + funcName)
  var curClass = ObjC.classes[className];
  if (typeof(curClass) !== 'undefined') {
    var curMethod = curClass[funcName];
    if (typeof(curMethod) !== 'undefined') {
      Interceptor.attach(curMethod.implementation, {
        onEnter: function(args) {
          console.log("argSelf=" + args[0] + ", argSel=" + args[1] + ", realArg1=" + args[2]);
        }
      });
    }else{
      console.log("Can't find method", funcName);
    }
  }else{
    console.log("Can't find class: ", className);
  }
}

//Your class name and function name here
hook_specific_method_of_class("NSXPCCConnection", "- setExportedObject:")

```

典型输出log：

```

→ scripts frida -U -n akd -l hook_NSXPCCConnection_setExportedObject.js

Frida 16.0.19 - A world class dynamic instrumentation toolkit
Commands:
help      -> Displays the help system
object?   -> Display information about 'object'
exit quit -> Exit

More info at https://frida.re/docs/home/

Connected to iPhone (id abdc0dd961c3cb96f5c4afe109de4eb48b88433a)

[iPhone: akd ]-> ? resume

=====
===== + [NSXPCCConnection setExportedObject ] =====

```

```

argSelf 0x102725ce0, argSel 0x19b362b44, realArg1 0x102926640
===== - [NSXPConnection setExportedObject ] =====
argSelf 0x102928300, argSel 0x19b362b44, realArg1 0x1029211b0
===== - [NSXPConnection setExportedObject ] =====
argSelf 0x102725ce0, argSel 0x19b362b44, realArg1 0x0
===== - [NSXPConnection setExportedObject ] =====
argSelf 0x102a21570, argSel 0x19b362b44, realArg1 0x0

```

简单优化：加上额外的参数的转换和打印相关值

再去加上额外的，参数类型转换

- 把常见参数转换成ObjC的Object
- 把ObjC的SEL转换成String
- 等等

对应代码是：

```

function hook_specific_method_of_class(className, funcName)
{
    var iOSObjCallStr = "className=" + className + ", funcName=" + funcName
    console.log("iOSObjCallStr=", iOSObjCallStr)
    var curClass = ObjC.classes[className];
    if (typeof(curClass) !== 'undefined') {
        var curMethod = curClass[funcName];
        if (typeof(curMethod) !== 'undefined') {

            Interceptor.attach(curMethod.implementation, {
                onEnter: function(args) {
                    console.log("===== " + iOSObjCallStr + " =====")
                    //

                    // args[0] is self = id
                    const argSelf = args[0];
                    console.log("argSelf: ", argSelf);
                    const argSelfObj = new ObjC.Object(argSelf);
                    console.log("argSelfObj: ", argSelfObj);
                    const argSelfClassName = argSelfObj.$className;
                    console.log("argSelfClassName: ", argSelfClassName);

                    // args[1] is selector
                    const argSel = args[1];
                    console.log("argSel: ", argSel);
                    const argSelStr = ObjC.selectorAsString(argSel);
                    console.log("argSelStr: ", argSelStr);

                    // args[2] holds the first function argument
                    const args2 = args[2];
                    console.log("args2: ", args2);
                    if (args2 != 0x0) {
                        const args2Obj = new ObjC.Object(args2);
                        // const args2Obj = new ObjC.Object(ptr(args2));
                        console.log("args2Obj: ", args2Obj);
                        const args2ObjClassName = args2Obj.$className;
                        console.log("args2ObjClassName: ", args2ObjClassName);

```

```

        const args2ObjStr = args2Obj.toString();
        console.log("args2ObjStr: ", args2ObjStr);
    }
}
);
} else{
    console.log("Can't find method", funcName);
}
} else{
    console.log("Can't find class: ", className);
}
}

//Your class name and function name here
hook_specific_method_of_class("NSXPConnection", "- setExportedObject:")

```

优化日志：把Frida类名和函数名转换为ObjC的类名和函数名

可以继续去加上：

- `toiOSObjcCall`
 - 作用举例
 - 输入: `["NSXPConnection", "- setExportedObject:]`
 - 输出: `"-[NSXPConnection setExportedObject:]"`
- 目的：实现优化日志打印
 - 输出的ObjC的类和函数名 -》 方便调试和查看具体调用了哪个ObjC的类和函数

代码：

```

// convert from frida function call to ObjC function call
// "NSURL", "- initWithString:" => "-[NSURL initWithString:]"
function toiOSObjcCall(class_name, method_name){
    const instanceCallStart = "-[" + class_name + " ";
    const classCallStart = "+[" + class_name + " ";
    var objcFuncCall = method_name.replace("-", instanceCallStart);
    objcFuncCall = objcFuncCall.replace("+ ", classCallStart);
    objcFuncCall = objcFuncCall + "]";
    // console.log(class_name + " -> " + method_name + " => " + objcFuncCall);
    return objcFuncCall;
}

function hook_specific_method_of_class(className, funcName)
{
    var iOSObjCallStr = toiOSObjcCall(className, funcName)
    console.log("iOSObjCallStr=", iOSObjCallStr)
    var curClass = ObjC.classes[className];
    if (typeof(curClass) !== 'undefined') {
        var curMethod = curClass[funcName];
        if (typeof(curMethod) !== 'undefined') {
            Interceptor.attach(curMethod implementation, {

```

```

onEnter: function(args) {
    console.log("=====" + 10SObjCallStr + " =====")
;

    // args[0] is self = id
    const argSelf = args[0];
    console.log("argSelf: ", argSelf);
    const argSelfObj = new ObjC.Object(argSelf);
    console.log("argSelfObj: ", argSelfObj);
    const argSelfClassName = argSelfObj.$className;
    console.log("argSelfClassName: ", argSelfClassName);

    // args[1] is selector
    const argSel = args[1];
    console.log("argSel: ", argSel);
    const argSelStr = ObjC.selectorAsString(argSel);
    console.log("argSelStr: ", argSelStr);

    // args[2] holds the first function argument
    const args2 = args[2];
    console.log("args2: ", args2);
    if (args2 != 0x0) {
        const args2Obj = new ObjC.Object(args2);
        // const args2Obj = new ObjC.Object(ptr(args2));
        console.log("args2Obj: ", args2Obj);
        const args2ObjClassName = args2Obj.$className;
        console.log("args2ObjClassName: ", args2ObjClassName);
        const args2ObjStr = args2Obj.toString();
        console.log("args2ObjStr: ", args2ObjStr);
    }
}
);
} else{
    console.log("Can't find method", funcName);
}
} else{
    console.log("Can't find class: ", className);
}
}

//Your class name and function name here
hook_specific_method_of_class("NSXPCConnection", "- setExportedObject:")

```

优化参数：打印函数全部的真正参数

如之前 [ObjC的参数](#) 中的 计算ObjC的函数的真正参数的个数 + 打印全部参数 的实例代码，加到此处，略作调整变成：

```

*****
* Util Functions
*****


/** Function that count occurrences of a substring in a string;
 * @param {String} string
 * @param {String} substr
 * @return {Number} number of occurrences
 */

```

```

* @param {String} subString           The sub string to search for
* @param {Boolean} [allowOverlapping] Optional. (Default:false)
*
* @author Vitim.us https://gist.github.com/victornpb/7736865
* @see Unit Test https://jsfiddle.net/Victornpb/5axuh96u/
* @see https://stackoverflow.com/a/7924240/938822
* @example occurrences("- setExportedObject:", ":") => 1
*/
function occurrences(string, subString, allowOverlapping) {
    // console.log("string=" + string + ",subString=" + subString + ", allowOverlapping=" + allowOverlapping)
    string += "\n";
    subString += "\n";
    if (subString.length <= 0) return (string.length + 1);

    var n = 0,
        pos = 0,
        step = allowOverlapping ? 1 : subString.length;

    while (true) {
        pos = string.indexOf(subString, pos);
        // console.log("pos=" + pos)
        if (pos >= 0) {
            n++;
            pos += step;
        } else break;
    }

    return n;
}

// convert from frida function call to ObjC function call
// "NSURL", "- initWithString:" => "[NSURL initWithString:]"
function toiOSObjccall(class_name, method_name){
    const instanceCallStart = "-[" + class_name + " ";
    const classCallStart = "+[" + class_name + " ";
    var objcFuncCall = method_name.replace("- ", instanceCallStart);
    objcFuncCall = objcFuncCall.replace("+", classCallStart);
    objcFuncCall = objcFuncCall + "]";
    // console.log(class_name + " -> " + method_name + " => " + objcFuncCall);
    return objcFuncCall;
}

/*
* Frida Hook
*/
// https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/hook-specific-method-of-class.js
function hook_specific_method_of_class(className, funcName)
{
    var iOSObjCallStr = toiOSObjccall(className, funcName)
    console.log("iOSObjCallStr=", iOSObjCallStr)
    var curClass = ObjC.classes[className];
    if (typeof(curClass) !== 'undefined') {
        var curMethod = curClass[funcName];

```

```

if (typeof(curMethod) !== 'undefined') {

    Interceptor.attach(curMethod.implementation, {
        onEnter: function(args) {
            console.log("======" + iOSObjCallStr + " =====")
        }

        // args[0] is self = id
        const argSelf = args[0];
        console.log("argSelf: ", argSelf);
        const argSelfObj = new ObjC.Object(argSelf);
        console.log("argSelfObj: ", argSelfObj);
        const argSelfClassName = argSelfObj.$className;
        console.log("argSelfClassName: ", argSelfClassName);

        // args[1] is selector
        const argSel = args[1];
        console.log("argSel: ", argSel);
        const argSelStr = ObjC.selectorAsString(argSel);
        console.log("argSelStr: ", argSelStr);

        const argCount = occurrences(argSelStr, ":");
        console.log("argCount: ", argCount);

        // console.log("funcName=", funcName);
        // const argCount = occurrences(funcName, ":");
        // console.log("argCount: ", argCount);

        for (let curArgIdx = 0; curArgIdx < argCount; curArgIdx++) {
            const curArg = args[curArgIdx + 2];

            // const usePtr = false;
            const usePtr = true;
            if (usePtr) {
                // console.log("usePtr=", usePtr);
                const curArgPtr = ptr(curArg);
                console.log("----- [" + curArgIdx + "] curArgPtr=" + curArgPtr);
                if (!curArgPtr.isNull()) {
                    const curArgPtrObj = new ObjC.Object(curArgPtr);
                    console.log("curArgPtrObj: ", curArgPtrObj);
                    console.log("curArgPtrObj className: ", curArgPtrObj.$className);
                    console.log("curArgPtrObj kind: ", curArgPtrObj.$kind);
                }
            } else {
                console.log("----- [" + curArgIdx + "] curArg=" + curArg);
                if (curArg && (curArg != 0x0)) {
                    // console.log("curArg className: ", curArg.$className);
                    const curArgObj = new ObjC.Object(curArg);
                    console.log("curArgObj: ", curArgObj);
                    console.log("curArgObj className: ", curArgObj.$className);
                    console.log("curArgObj kind: ", curArgObj.$kind);
                }
            }
        }
    }
}

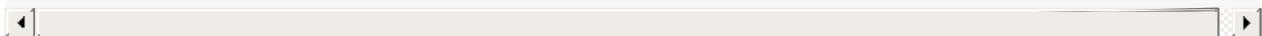
```

```

    });
} else{
    console.log("Can't find method", funcName);
}
} else{
    console.log("Can't find class: ", className);
}
}

//Your class name and function name here
hook_specific_method_of_class("NSXPConnection", "- setExportedObject:")

```



典型log输出：

```

===== - [NSXPConnection setExportedObject:] =====
argSelf: 0x1057047a0
argSelfObj: <NSXPConnection: 0x1057047a0> connection from pid 46847 on mach service named com.apple.ak.auth.xpc
argSelfClassName: NSXPConnection
argSel: 0x19b362b44
argSelStr: setExportedObject:
funcName= - setExportedObject:
argCount: 1
----- [0] curArgPtr 0x105743aa0
curArgPtrObj: <AKAppleIDAuthenticationService: 0x105743aa0>
curArgPtrObj className: AKAppleIDAuthenticationService
curArgPtrObj kind: instance
===== - [NSXPConnection setExportedObject:] =====
argSelf: 0x1057047a0
argSelfObj: <NSXPConnection: 0x1057047a0> connection from pid 46847 on mach service named com.apple.ak.auth.xpc
argSelfClassName: NSXPConnection
argSel: 0x19b362b44
argSelStr: setExportedObject:
argCount: 1
----- [0] curArgPtr 0x0

```

- 关于argCount的计算

另外，计算 argCount 的代码，如果从：

```

const argCount = occurrences(argSelStr, ":");
console.log("argCount: ", argCount);

// console.log("funcName=", funcName);
// const argCount = occurrences(funcName, ":");
// console.log("argCount: ", argCount);

```

换成：

```

// const argCount = occurrences(argSelStr, ":");
// console.log("argCount: ", argCount);

```

```

        console.log("funcName=", funcName);
        const argCount = occurrences(funcName, ":");
        console.log("argCount: ", argCount);
    
```

则对应部分输出从：

```

argSelStr: setExportedObject:
argCount: 1
    
```

变成：

```

argSelStr: setExportedObject:
funcName= - setExportedObject:
argCount: 1
    
```

优化逻辑：加上参数值的判断和过滤

如果此处需要有类似于，过滤参数的值，判断参数的值，并且过滤只输出对应值，则可以去：

- 把ObjC的NSString转换成js的String
- 然后再去用 === 去对比判断字符串

完整代码：

```

/*
 * Util Functions
 */

// convert from frida function call to ObjC function call
// "NSURL", "- initWithString:" => "[NSURL initWithString:]"
function toiOSObjCCall(class_name, method_name){
    const instanceCallStart = "-[" + class_name + " ";
    const classCallStart = "+[" + class_name + " ";
    var objcFuncCall = method_name.replace("-", instanceCallStart);
    objcFuncCall = objcFuncCall.replace("+", classCallStart);
    objcFuncCall = objcFuncCall + "]";
    // console.log(class_name + " -> " + method_name + " => " + objcFuncCall);
    return objcFuncCall;
}

/*
 * Frida Hook
 */

// https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/ho
ok-specific-method-of-class.js
function hook_specific_method_of_class(className, funcName)
{
    var iOSObjCallStr = toiOSObjCCall(className, funcName)
    console.log("iOSObjCallStr=", iOSObjCallStr)
    var curClass = ObjC.classes[className];
}
    
```

```

if (typeof(curClass) !== 'undefined') {
    var curMethod = curClass[funcName];
    if (typeof(curMethod) !== 'undefined') {

        Interceptor.attach(curMethod.implementation, {
            onEnter: function(args) {
                console.log("======" + iOSObjCallStr + " =====");
            }

            // args[0] is self = id
            const argSelf = args[0];
            console.log("argSelf: ", argSelf);
            const argSelfObj = new ObjC.Object(argSelf);
            console.log("argSelfObj: ", argSelfObj);
            const argSelfClassName = argSelfObj.$className;
            console.log("argSelfClassName: ", argSelfClassName);

            const connnServiceNameNSStr = argSelfObj.serviceName();
            const connnServiceNameJsStr = connnServiceNameNSStr.UTF8String()

            // args[1] is selector
            const argSel = args[1];
            console.log("argSel: ", argSel);
            const argSelStr = ObjC.selectorAsString(argSel);
            console.log("argSelStr: ", argSelStr);

            if (connnServiceNameJsStr === "com.apple.ak.auth.xpc") {
                console.log("connnServiceNameNSStr: ", connnServiceNameNSStr);
                console.log("connnServiceNameJsStr: ", connnServiceNameJsStr);

                // args[2] holds the first function argument
                const args2 = args[2];
                console.log("args2: ", args2);
                if (args2 !== 0x0) {
                    const args2Obj = new ObjC.Object(args2);
                    // const args2Obj = new ObjC.Object(ptr(args2));
                    console.log("args2Obj: ", args2Obj);
                    const args2ObjClassName = args2Obj.$className;
                    console.log("args2ObjClassName: ", args2ObjClassName);
                    const args2ObjStr = args2Obj.toString();
                    console.log("args2ObjStr: ", args2ObjStr);
                }
            }
        });
    } else{
        console.log("Can't find method", funcName);
    }
} else{
    console.log("Can't find class: ", className);
}
}

//Your class name and function name here

```

```
hook_specific_method_of_class("NSXPConnection", "- setExportedObject:")
```

典型log输出：

```
===== - [NSXPConnection setExportedObject:] =====
argSelf: 0x1057047a0
argSelfObj: NSXPConnection: 0x1057047a0 connection from pid 46847 on mach service named com.apple.ak.auth.xpc
argSelfClassName: NSXPConnection
argSel: 0x19b362b44
argSelStr: setExportedObject:
argCount: 1
connnServiceNameNSStr: com.apple.ak.auth.xpc
connnServiceNameJsStr: com.apple.ak.auth.xpc
args2: 0x105743aa0
args2Obj: AKAppleIDAuthenticationService: 0x105743aa0
args2ObjClassName: AKAppleIDAuthenticationService
args2ObjStr: AKAppleIDAuthenticationService: 0x105743aa0
===== - [NSXPConnection setExportedObject:] =====
argSelf: 0x1057047a0
argSelfObj: NSXPConnection: 0x1057047a0 connection from pid 46847 on mach service named com.apple.ak.auth.xpc
argSelfClassName: NSXPConnection
argSel: 0x19b362b44
argSelStr: setExportedObject:
argCount: 1
connnServiceNameNSStr: com.apple.ak.auth.xpc
connnServiceNameJsStr: com.apple.ak.auth.xpc
args2: 0x0
```

即：

只打印 serviceName 是 com.apple.ak.auth.xpc 的 NSXPConnection，过滤掉其他的，比如之前会打印的：

```
===== - [NSXPConnection setExportedObject:] =====
argSelf: 0x102d35b60
argSelfObj: NSXPConnection: 0x102d35b60 connection from pid 46847 on mach service named com.apple.ak.anisette.xpc
connnServiceName: com.apple.ak.anisette.xpc
argSelfClassName: NSXPConnection
args2: 0x0

===== - [NSXPConnection setExportedObject:] =====
argSelf: 0x102d34e00
argSelfObj: NSXPConnection: 0x102d34e00 connection from pid 31901 on mach service named com.apple.ak.authorizationservices.xpc
connnServiceName: com.apple.ak.authorizationservices.xpc
argSelfClassName: NSXPConnection
args2: 0x102d513c0
args2Obj: AKAuthorizationDaemonService: 0x102d513c0
args2ObjClassName: AKAuthorizationDaemonService
args2ObjStr: AKAuthorizationDaemonService: 0x102d513c0
```

```

=====
- [NSXPConnection setExportedObject:]
argSelf: 0x102d35a30
argSelfObj: ACTrackedXPConnection: 0x102d35a30 connection to service with pid 104 named com.apple.accounts.accountmanager
connnServiceName: com.apple.accounts.accountmanager
argSelfClassName: ACTrackedXPConnection
args2: 0x0

```

等内容。

最终代码

```

/*
 * Util Functions
 */

/** Function that count occurrences of a substring in a string;
 * @param {String} string           The string
 * @param {String} subString        The sub string to search for
 * @param {Boolean} [allowOverlapping] Optional. (Default:false)
 *
 * @author Vitim.us https://gist.github.com/victornpb/7736865
 * @see Unit Test https://jsfiddle.net/Victornpb/5axuh96u/
 * @see https://stackoverflow.com/a/7924240/938822
 * @example occurrences("- setExportedObject:", ":") => 1
 */
function occurrences(string, subString, allowOverlapping) {
    // console.log("string=" + string + ",subString=" + subString + ", allowOverlapping=" + allowOverlapping)
    string += "";
    subString += "";
    if (subString.length <= 0) return (string.length + 1);

    var n = 0,
        pos = 0,
        step = allowOverlapping ? 1 : subString.length;

    while (true) {
        pos = string.indexOf(subString, pos);
        // console.log("pos=" + pos)
        if (pos >= 0) {
            ++n;
            pos += step;
        } else break;
    }

    return n;
}

// convert from frida function call to ObjC function call
// "NSURL", "- initWithString:" => "-[NSURL initWithString:]"
function toiOSObjcCall(class_name, method_name){
    const instanceCallStart = "-[" + class_name + " ";

```

```

const classCallStart = "+[" + class_name + " ";
var objcFuncCall = method_name.replace("- ", instanceCallStart);
objcFuncCall = objcFuncCall.replace("+", classCallStart);
objcFuncCall = objcFuncCall + "]";
// console.log(class_name + " -> " + method_name + " => " + objcFuncCall);
return objcFuncCall;
}

// convert from ObjC function call to frida function call
// "-[NSURL initWithString:]" => ["NSURL", "- initWithString:"]
function toFridaObjcCall(fridaObjcCallStr){
    // console.log("fridaObjcCallStr=" + fridaObjcCallStr)
    const funcCallP = /^([-+])\[(\w+)\s+([\w:]+)\]$/;
    // console.log("funcCallP=" + funcCallP)
    const funcCallMatch = fridaObjcCallStr.match(funcCallP)
    // console.log("funcCallMatch=" + funcCallMatch)
    const objcFuncTypeChar = funcCallMatch[1]
    const objcClassName = funcCallMatch[2]
    const objcFuncName = funcCallMatch[3]
    const fridaFuncCallList = [objcClassName, objcFuncTypeChar + " " + objcFuncName]
    // console.log("fridaFuncCallList=" + fridaFuncCallList)
    return fridaFuncCallList
}

// NSString instance -> js string
function nsStrToJsStr(curNsStr){
    // method 1
    return curNsStr.UTF8String()
    // // method 2:
    // const NSUTF8StringEncoding = 4;
    // https://developer.apple.com/documentation/foundation/nsstring/1408489-cstringusingencoding?language=objc
    // return curNsStr.cStringUsingEncoding_(NSUTF8StringEncoding)
}

/*****************
* Frida Hook
*****************/
// Note: Another write type for for sure can found class and method
// const curMethod = ObjC.classes.NSXPCConnection["- setExportedObject:"];
// console.log("curMethod: ", curMethod);
// const iOSObjCallStr = "-[NSXPCConnection setExportedObject:]";

// https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/ho
ok-specific-method-of-class.js
function hook_specific_method_of_class(className, funcName)
{
    // var iOSObjCallStr = "className=" + className + ", funcName=" + funcName
    var iOSObjCallStr = toiOSObjcCall(className, funcName)
    console.log("iOSObjCallStr=", iOSObjCallStr)
    var curClass = ObjC.classes[className];
    if (typeof(curClass) !== 'undefined') {
        var curMethod = curClass[funcName];
        if (typeof(curMethod) !== 'undefined') {

```

```

Interceptor.attach(curMethod.implementation, {
    onEnter: function(args) {
        console.log("=====" + iosObjCallStr + " =====")
    }

    // console.log("argSelf=" + args[0] + ", argSel=" + args[1] + ", realArg1=" + args[2]);

    // args[0] is self = id
    const argSelf = args[0];
    // console.log("argSelf: ", argSelf);
    const argSelfObj = new ObjC.Object(argSelf);
    console.log("argSelfObj: ", argSelfObj);
    const argSelfClassName = argSelfObj.$className;
    // console.log("argSelfClassName: ", argSelfClassName);

    const connnServiceNameNSStr = argSelfObj.serviceName();
    // const connnServiceNameJsStr = connnServiceNameNSStr.UTF8String()
    const connnServiceNameJsStr = nsStrToJsStr(connnServiceNameNSStr)

    // // args[1] is selector
    // const argSel = args[1];
    // console.log("argSel: ", argSel);
    // const argSelStr = ObjC.selectorAsString(argSel);
    // console.log("argSelStr: ", argSelStr);

    // const argCount = occurrences(argSelStr, ":");

    // const argCount = occurrences(funcName, ":");

    // console.log("funcName=", funcName);
    // const argCount = occurrences(funcName, ":");

    if (connnServiceNameJsStr === "com.apple.ak.auth.xpc") {
        // console.log("connnServiceNameNSStr: ", connnServiceNameNSStr);
        console.log("connnServiceNameJsStr: ", connnServiceNameJsStr);

        // args[2] holds the first function argument
        const args2 = args[2];
        console.log("args2: ", args2);
        if (args2 != 0x0) {
            const args2Obj = new ObjC.Object(args2);
            // const args2Obj = new ObjC.Object(ptr(args2));
            console.log("args2Obj: ", args2Obj);
            const args2ObjClassName = args2Obj.$className;
            console.log("args2ObjClassName: ", args2ObjClassName);
            const args2ObjStr = args2Obj.toString();
            console.log("args2ObjStr: ", args2ObjStr);
        }
    }

    // // debug: output all function real parameters
    // for (let curArgIdx = 0; curArgIdx < argCount; curArgIdx++) {
    //     const curArg = args[curArgIdx + 2];

    //     // const usePtr = false;
}

```

```

    //  const usePtr = true;
    //  if (usePtr) {
    //      // console.log("usePtr=", usePtr);
    //      const curArgPtr = ptr(curArg);
    //      console.log("----- [" + curArgIdx + "] curArgPtr=" + curArgPtr);
    //      if (!curArgPtr.isNull()) {
    //          const curArgPtrObj = new ObjC.Object(curArgPtr);
    //          console.log("curArgPtrObj: ", curArgPtrObj);
    //          console.log("curArgPtrObj className: ", curArgPtrObj.$className);
    //          console.log("curArgPtrObj kind: ", curArgPtrObj.$kind);
    //      }
    //  } else {
    //      console.log("----- [" + curArgIdx + "] curArg=" + curArg);
    //      if (curArg && (curArg != 0x0)) {
    //          // console.log("curArg className: ", curArg.$className);
    //          const curArgObj = new ObjC.Object(curArg);
    //          console.log("curArgObj: ", curArgObj);
    //          console.log("curArgObj className: ", curArgObj.$className);
    //          console.log("curArgObj kind: ", curArgObj.$kind);
    //      }
    //  }
    // }

    });
} else{
    console.log("Can't find method", funcName);
}
} else{
    console.log("Can't find class: ", className);
}
}

//Your class name and function name here
hook_specific_method_of_class("NSXPConnection", "- setExportedObject:")

```

输出log：

```

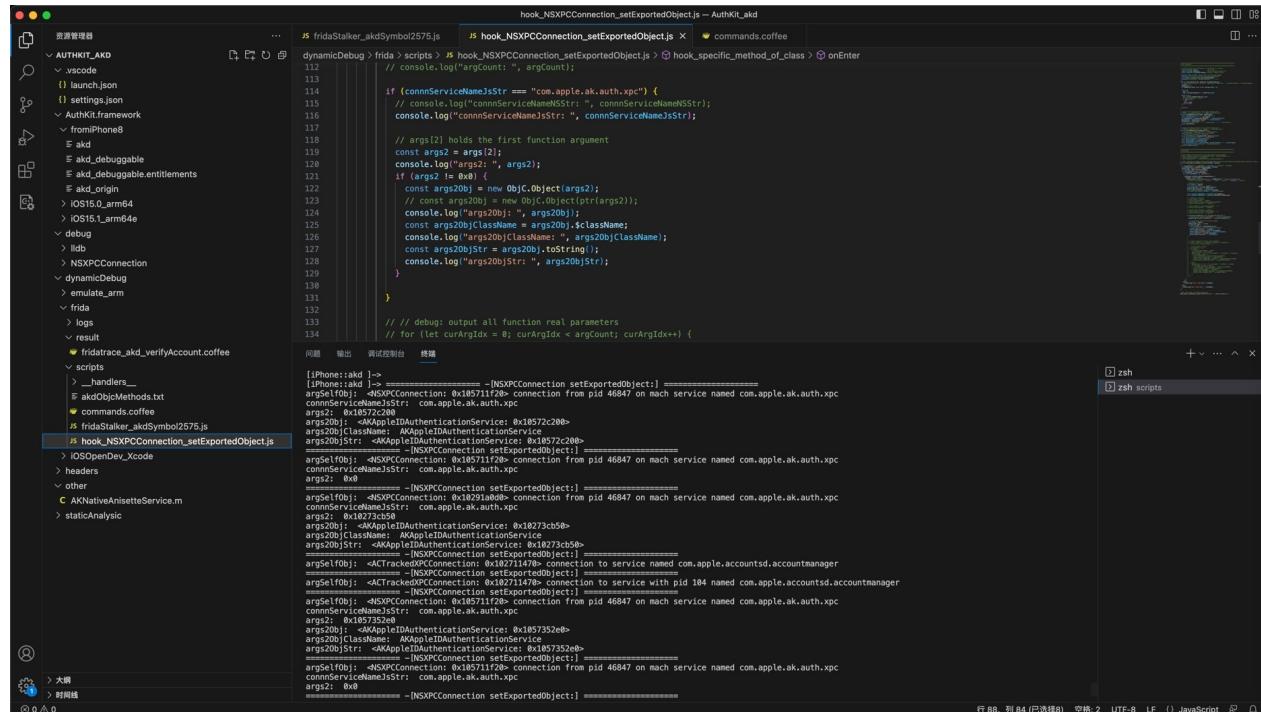
===== - [NSXPConnection setExportedObject:] =====
argSelfObj: NSXPConnection: 0x105711f20 connection from pid 46847 on mach service named com.apple.ak.auth.xpc
connnServiceNameJsStr: com.apple.ak.auth.xpc
args2: 0x10572c200
args2Obj: AKAppleIDAuthenticationService: 0x10572c200
args2ObjClassName: AKAppleIDAuthenticationService
args2ObjStr: AKAppleIDAuthenticationService: 0x10572c200
===== - [NSXPConnection setExportedObject:] =====
argSelfObj: NSXPConnection: 0x105711f20 connection from pid 46847 on mach service named com.apple.ak.auth.xpc
connnServiceNameJsStr: com.apple.ak.auth.xpc
args2: 0x0
===== - [NSXPConnection setExportedObject:] =====
argSelfObj: NSXPConnection: 0x10291a0d0 connection from pid 46847 on mach service named com.apple.ak.auth.xpc

```

```

connnServiceNameJsStr: com.apple.ak.auth.xpc
args2: 0x10273cb50
args20bj: AKAppleIDAuthenticationService: 0x10273cb50
args20bjClassName: AKAppleIDAuthenticationService
args20bjStr: AKAppleIDAuthenticationService: 0x10273cb50
    - [NSXPConnection setExportedObject:]
argSelfObj: ACTrackedXPConnection: 0x102711470 connection to service named com.apple.accounts.accountmanager
    - [NSXPConnection setExportedObject:]
argSelfObj: ACTrackedXPConnection: 0x102711470 connection to service with pid 104 named com.apple.accounts.accountmanager

```



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2024-03-19 09:52:43

单个类的所有函数

hook类 AAUISignInViewController 的所有函数

Frida命令

```
frida -U -F p 18533 -l ./hookAccountLogin_Interceptor.js
```

js文件 hookAccountLogin_Interceptor.js 内容

```
// https://raw.githubusercontent.com/noobpk/frida-ios-hook/master/frida-ios-hook/frida-
scripts/hook-all-methods-of-specific-class.js
function hook_class_method(class_name, method_name)
{
    var hook = ObjC.classes[class_name][method_name];
    Interceptor.attach(hook.implementation, {
        onEnter: function(args) {
            console.log("[*] Detected call to: " + class_name + " -> " + method_name);
        }
    });
}

function run_hook_all_methods_of_specific_class(className_arg)
{
    console.log("[*] Started: Hook all methods of a specific class");
    console.log("[+] Class Name: " + className_arg);
    //Your class name here
    var className = className_arg;
    //var methods = ObjC.classes[className].$methods;
    var methods = ObjC.classes[className].$ownMethods;
    for (var i = 0; i < methods.length; i++)
    {
        console.log(" " + methods[i]);
        // console.log("\t[*] Hooking into implementation");
        //eval('var className2 = "' + className + '"; var funcName2 = "' + methods[i] + '"; var
hook = eval('ObjC.classes.' + className2 + '[' + funcName2 + ']'); Interceptor.attach(
hook.implementation, { onEnter: function(args) { console.log("[*] Detected call to
: " + className2 + " -> " + funcName2); }});');
        var className2 = className;
        var funcName2 = methods[i];
        hook_class_method(className2, funcName2);
        // console.log("\t[*] Hooking successful");
    }
    console.log("[*] Completed: Hook all methods of a specific class");
}

function hook_all_methods_of_specific_class(className_arg)
{
    setImmediate(run_hook_all_methods_of_specific_class, [className_arg])
}
```

```
//Your class name goes here
hook_all_methods_of_specific_class("AAUISignInViewController")
```

输出

最开始输出：

```
x crifan licrifandeMacBook Pro" ~/dev/dev_root/iosReverse/AppleStore/Preferences_app/dynamicDebug frida -U -F -l ./hookAccountLogin_Interceptor.js -p 18533

    _____
   /     |  Frida 16.0.10 - A world class dynamic instrumentation toolkit
  /      |
 >     /  Commands:
 /_    /    help      -> Displays the help system
 .    .    object?   -> Display information about 'object'
 .    .    exit quit -> Exit
 .
 .
 More info at https://frida.re/docs/home/

.
.
.
Connected to iPhone (id abdc0dd961c3cb96f5c4afe109de4eb48b88433a)
Attaching...
[+] Started: Hook all methods of a specific class
[+] Class Name: AAUISignInViewController
+ phoneNumberSupportedWithCompletion
- textField shouldChangeCharactersInRange replacementString
- tableView viewForHeaderInSection
- textFieldShouldReturn
- _keyboardWillHide
- titleLabel
- _keyboardWillShow
- loadView
- setUsername
- sizeCategoryDidChange
- _hasValidCredentials
- username
- tableView numberOfRowsInSection
- viewDidLoad
- _tableView
- delegate
- authenticationContext
- _setEnabled
- _tableFooterView
- viewWillAppear
- tableView willDisplayCell forIndexPath
- remoteUIController shouldLoadRequest redirectResponse
- cxx_destruct
- numberOfRowsInTableView
- viewDidDisappear
- traitCollectionDidChange
- initWithCoder
- tableView heightForRowAtIndexPath
- tableView viewForFooterInSection
- tableView cellForRowAtIndexPath
```

```
setDelegate
_tableHeaderView
tableView shouldDrawTopSeparatorForSection
messageLabel
initWithNibName bundle
dealloc
_cancelBarButton Item
viewDidLayoutSubviews
_cancelPasswordDelegateIfNecessary
context needsPasswordWithCompletion
_passwordCell
_textFieldDidChange
_nextBarButton Item
_updateConstraintsForTraitCollection
_beginObservingTextFieldDidChangeNotifications
_beginObservingKeyboardWillShowNotifications
_beginObservingSizeCategoryNotification
_usernameCell
_updateContentInsetWithHeight
_endObservingSizeCategoryNotification
_endObservingTextFieldDidChangeNotifications
_endObservingKeyboardWillShowNotifications
_akServiceType
_shouldAnticipatePiggybacking
_accountsHeaderView
_cancelButtonSelected
_nextButtonSelected
constrainView toFillHeaderFooterView
allowsAccountCreation
ActionButtonSelected
showServiceIcons
_stringForFooter
privacyLinkIdentifiers
_showOnlyPassword
_isGreenTeaCapable
_setUsernameCellWaiting
_delegate_signInViewControllerDidCancel
_attemptAuthentication
_prewarmSignInFlowIfApplicable
_presentForgotAppleIDPane
_presentCreateAppleIDPane
_attemptAuthenticationWithContext
_isPasswordFieldVisible
_isRunningInSettings
_repairCloudAccountWithAuthenticationResults
_delegate_signInViewControllerDidCompleteWithAuthenticationResults
_authorizationValueForAuthenticationResults
_passwordFieldIndexPath
_setPasswordFieldHidden
_setAkServiceType
_setShouldAnticipatePiggybacking
setAllowsAccountCreation
 setShowServiceIcons
canEditUsername
setCanEditUsername
setPrivacyLinkIdentifiers
```

```

- showingPasswordCell
- setShowingPasswordCell
[*] Completed: Hook all methods of a specific class
[iPhone: PID: 18533 ]->

```

后续操作app页面，触发：

```

[*] Detected call to: AAUISignInViewController -> textField shouldChangeCharactersInRange replacementString:
[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _textFieldDidChange
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> _textFieldDidChange
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> textField shouldChangeCharactersInRange replacementString:
[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _textFieldDidChange
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> textField shouldChangeCharactersInRange replacementString:
[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _textFieldDidChange
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> textField shouldChangeCharactersInRange replacementString:
[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _textFieldDidChange
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> textField shouldChangeCharactersInRange replacementString:
[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _textFieldDidChange
[*] Detected call to: AAUISignInViewController -> _isValidCredentials

```

继续操作app页面：输入账号，点击下一步按钮，输出：

```

[*] Detected call to: AAUISignInViewController -> _attemptAuthentication
[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> authenticationContext
[*] Detected call to: AAUISignInViewController -> _akServiceType
[*] Detected call to: AAUISignInViewController -> _shouldAnticipatePiggybacking
[*] Detected call to: AAUISignInViewController -> _isRunningInSettings
[*] Detected call to: AAUISignInViewController -> _attemptAuthenticationWithContext
[*] Detected call to: AAUISignInViewController -> _setEnabled
[*] Detected call to: AAUISignInViewController -> textField shouldChangeCharactersInRange replacementString:

```

```

[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _textFieldDidChange
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> _keyboardWillShow
[*] Detected call to: AAUISignInViewController -> _updateContentInsetWithHeight
[*] Detected call to: AAUISignInViewController -> _keyboardWillHide
[*] Detected call to: AAUISignInViewController -> _updateContentInsetWithHeight
[*] Detected call to: AAUISignInViewController -> _setUsernameCellWaiting
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _prewarmSignInFlowIfApplicable
[*] Detected call to: AAUISignInViewController -> showServiceIcons
[*] Detected call to: AAUISignInViewController -> context.needsPasswordWithCompletion

[*] Detected call to: AAUISignInViewController -> setPasswordFieldHidden
[*] Detected call to: AAUISignInViewController -> _isPasswordFieldVisible
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> _passwordFieldIndexPath
[*] Detected call to: AAUISignInViewController -> numberOfRowsInSectionTableview
[*] Detected call to: AAUISignInViewController -> numberOfRowsInSectionTableview
[*] Detected call to: AAUISignInViewController -> tableView numberOfRowsInSectionSection
[*] Detected call to: AAUISignInViewController -> _showOnlyPassword
[*] Detected call to: AAUISignInViewController -> tableView heightForRowAtIndexPath
[*] Detected call to: AAUISignInViewController -> tableView heightForRowAtIndexPath
[*] Detected call to: AAUISignInViewController -> tableView cellForRowAtIndexpath
[*] Detected call to: AAUISignInViewController -> _passwordFieldIndexPath
[*] Detected call to: AAUISignInViewController -> _passwordCell
[*] Detected call to: AAUISignInViewController -> tableView shouldDrawTopSeparatorFor

Section:
[*] Detected call to: AAUISignInViewController -> tableView heightForRowAtIndexPath
[*] Detected call to: AAUISignInViewController -> tableView willDisplayCellForRowAtIndexpath
[*] Detected call to: AAUISignInViewController -> tableView shouldDrawTopSeparatorFor

Section:
[*] Detected call to: AAUISignInViewController -> tableView shouldDrawTopSeparatorFor
[*] Detected call to: AAUISignInViewController -> _setEnabled
[*] Detected call to: AAUISignInViewController -> _isValidCredentials
[*] Detected call to: AAUISignInViewController -> _setUsernameCellWaiting
[*] Detected call to: AAUISignInViewController -> tableView shouldDrawTopSeparatorFor

Section:
[*] Detected call to: AAUISignInViewController -> tableView shouldDrawTopSeparatorFor
[*] Detected call to: AAUISignInViewController -> _keyboardWillShow
[*] Detected call to: AAUISignInViewController -> _updateContentInsetWithHeight
[*] Detected call to: AAUISignInViewController -> _keyboardWillShow
[*] Detected call to: AAUISignInViewController -> _updateContentInsetWithHeight

```

所有类的所有函数

- 注意：下面代码，没有真正生效，实现我们希望的，hook所有的类的所有方法
 - 只是记录目前的效果，供参考。

frida命令

```
frida -U -N com.apple.Preferences -l hookAccountLogin_Interceptor_allClassAllMethod.js
```

js脚本文 件 hookAccountLogin_Interceptor_allClassAllMethod.js 内容

```
// https://github.com/noobpk/frida-ios-hook/blob/master/frida-ios-hook/frida-scripts/hook-all-methods-of-all-classes-app-only.js

function get_timestamp()
{
    var today = new Date();
    var timestamp = today.getFullYear() + '-' + (today.getMonth()+1) + '-' + today.getDate() + ' ' + today.getHours() + ":" + today.getMinutes() + ":" + today.getSeconds() + ";" + today.getMilliseconds();
    return timestamp;
}

function hook_class_method(class_name, method_name)
{
    var hook = ObjC.classes[class_name][method_name];
    Interceptor.attach(hook.implementation, {
        onEnter: function(args) {
            console.log("[*] [" + get_timestamp() + "] Detected call to: " + class_name + " -> " + method_name);
        }
    });
}

function run_hook_all_methods_of_classes_app_only(verbose)
{
    console.log(" [*] Started: Hook all methods of all app only classes");
    var free = new NativeFunction(Module.findExportByName(null, 'free'), 'void', ['pointer']);
    var copyClassNamesForImage = new NativeFunction(Module.findExportByName(null, 'objc_copyClassNamesForImage'), 'pointer', ['pointer', 'pointer']);
    var p = Memory.alloc(Process.pageSize);
    Memory.writeInt(p, 0);
    var path = ObjC.classes.NSBundle mainBundle().executablePath().UTF8String();
    var pPath = Memory.allocUtf8String(path);
    var pClasses = copyClassNamesForImage(pPath, p);
    var count = Memory.readUInt(p)
```

```

var classesArray = new Array(count)
for (var i = 0; i < count; i++)
{
    var pClassName = Memory.readPointer(pClasses.add(i * Process.pointerSize))
    classesArray[i] = Memory.readUtf8String(pClassName)
    var className = classesArray[i]
    if (ObjC.classes.hasOwnProperty(className))
    {
        //console.log("[+] Class: " + className);
        //var methods = ObjC.classes[className].$methods;
        var methods = ObjC.classes[className].$ownMethods;
        for (var j = 0; j < methods.length; j++)
        {
            try
            {
                var className2 = className;
                var funcName2 = methods[j];
                //console.log("[-] Method: " + methods[j]);
                hook_class_method(className2, funcName2);
                if (verbose)
                    console.log("[*] [" + get_timestamp() + "] Hooking successful: "
+ className2 + " -> " + funcName2);
            }
            catch(err)
            {
                console.log("[*] [" + get_timestamp() + "] Hooking Error: " + err.message);
            }
        }
    }
}
free(pClasses)
console.log("[*] Completed: Hook all methods of all app only classes");
}

function hook_all_methods_of_classes_app_only()
{
    setImmediate(run_hook_all_methods_of_classes_app_only,[false])
}

function hook_all_methods_of_classes_app_only(verbose)
{
    setImmediate(run_hook_all_methods_of_classes_app_only,[true])
}

hook_all_methods_of_classes_app_only()
//hook_all_methods_of_classes_app_only("verbose") //for verbose output

```

输出

```

→ scripts frida -U -N com.apple.Preferences -l hookAccountLogin_Interceptor_allClassAllMethod.js

```

```

    / _ |  Frida 16.0.19 - A world-class dynamic instrumentation toolkit
    | ( |
    > - | Commands:
    /-/ |     help      -> Displays the help system
    + + + |     object?   -> Display information about 'object'
    + + + |     exit/quit -> Exit

    + + + More info at https://frida.re/docs/home/
    + + +
    + + + Connected to iPhone (id abdc0dd961c3cb96f5c4afe109de4eb48b88433a)
[*] Started: Hook all methods of all app only classes
[*] [2023-6-23 15:28:28:851] Hooking successful: PreferencesAppController -> - rootController
[*] [2023-6-23 15:28:28:852] Hooking successful: PreferencesAppController -> - appWindow
[*] [2023-6-23 15:28:28:853] Hooking successful: PreferencesAppController -> - profileConnectionDidReceiveProfileListChangedNotification:userInfo:
[*] [2023-6-23 15:28:28:854] Hooking successful: PreferencesAppController -> - profileConnectionDidReceiveRestrictionChangedNotification:userInfo:
[*] [2023-6-23 15:28:28:855] Hooking successful: PreferencesAppController -> - profileConnectionDidReceiveEffectiveSettingsChangedNotification:userInfo:
[*] [2023-6-23 15:28:28:856] Hooking successful: PreferencesAppController -> - profileConnectionDidReceivePasscodeChangedNotification:userInfo:
[*] [2023-6-23 15:28:28:858] Hooking successful: PreferencesAppController -> - clearControllersForSuspendedState
[*] [2023-6-23 15:28:28:858] Hooking successful: PreferencesAppController -> - popToRootOfSettingsSelectGeneral:
[*] [2023-6-23 15:28:28:859] Hooking successful: PreferencesAppController -> - popToRootOfSettingsSelectGeneral:performWithoutDeferringTransitions:
[*] [2023-6-23 15:28:28:860] Hooking successful: PreferencesAppController -> - runTest:options:
[*] [2023-6-23 15:28:28:862] Hooking successful: PreferencesAppController -> - runLoadingTest:withOptions:
[*] [2023-6-23 15:28:28:863] Hooking successful: PreferencesAppController -> - runScrollTest:withOptions:
[*] [2023-6-23 15:28:28:864] Hooking successful: PreferencesAppController -> - runScrollTest:withDelay:withOptions:
[*] [2023-6-23 15:28:28:866] Hooking successful: PreferencesAppController -> - performRecapScrollTest:withOptions:scrollView:
[*] [2023-6-23 15:28:28:867] Hooking successful: PreferencesAppController -> - updateSoftwareUpdateBadgeOnSpecifier:
[*] [2023-6-23 15:28:28:868] Hooking successful: PreferencesAppController -> - _registerForAccessoryNotifications
[*] [2023-6-23 15:28:28:869] Hooking successful: PreferencesAppController -> - application:didFinishLaunchingWithOptions:
[*] [2023-6-23 15:28:28:871] Hooking successful: PreferencesAppController -> - processStateRestorationURL
[*] [2023-6-23 15:28:28:871] Hooking successful: PreferencesAppController -> - application:configurationForConnectingSceneSession:options:
[*] [2023-6-23 15:28:28:873] Hooking successful: PreferencesAppController -> - receivedApplicationWillConnectWindowScene:
[*] [2023-6-23 15:28:28:874] Hooking successful: PreferencesAppController -> - quickActionShortcutItems
[*] [2023-6-23 15:28:28:875] Hooking successful: PreferencesAppController -> - receivedApplicationWillTerminateNotification:
[*] [2023-6-23 15:28:28:884] Hooking successful: PreferencesAppController -> - received

```

```

ApplicationDidEnterBackground:
[*] [2023-6-23 15:28:28:886] Hooking successful: PreferencesAppController -> - received
ApplicationWillEnterForegroundNotification:
[*] [2023-6-23 15:28:28:887] Hooking successful: PreferencesAppController -> - received
ApplicationDidBecomeActive:
[*] [2023-6-23 15:28:28:888] Hooking successful: PreferencesAppController -> - received
ApplicationWillResignActiveNotification:
[*] [2023-6-23 15:28:28:890] Hooking successful: PreferencesAppController -> - received
ApplicationContinueUserActivity:
[*] [2023-6-23 15:28:28:890] Hooking successful: PreferencesAppController -> - received
ApplicationResumeNotification:
[*] [2023-6-23 15:28:28:892] Hooking successful: PreferencesAppController -> - received
ApplicationOpenURLNotification:
[*] [2023-6-23 15:28:28:893] Hooking successful: PreferencesAppController -> - processU
RL:
[*] [2023-6-23 15:28:28:894] Hooking successful: PreferencesAppController -> - processU
RL:animated:fromSearch:
[*] [2023-6-23 15:28:28:895] Hooking successful: PreferencesAppController -> - processU
RL:animated:fromSearch:withCompletion:
[*] [2023-6-23 15:28:28:896] Hooking successful: PreferencesAppController -> - _ratio
nalyzeAccountSettingsURLDictionary:
[*] [2023-6-23 15:28:28:898] Hooking successful: PreferencesAppController -> - handleAu
thKitURLIfNeededFromResourceDictionary:overViewController:
[*] [2023-6-23 15:28:28:898] Hooking successful: PreferencesAppController -> - processA
ppPrefsURL:
[*] [2023-6-23 15:28:28:899] Hooking successful: PreferencesAppController -> - processS
hortcutsAppPrefsURL:
[*] [2023-6-23 15:28:28:900] Hooking successful: PreferencesAppController -> - processP
rebuddyURL:
[*] [2023-6-23 15:28:28:901] Hooking successful: PreferencesAppController -> - processT
VProviderPrefsURL:
[*] [2023-6-23 15:28:28:902] Hooking successful: PreferencesAppController -> - processO
tpauthURL:
[*] [2023-6-23 15:28:28:903] Hooking successful: PreferencesAppController -> - generate
URL
[*] [2023-6-23 15:28:28:904] Hooking successful: PreferencesAppController -> - _clearSa
vedPositionURL
[*] [2023-6-23 15:28:28:905] Hooking successful: PreferencesAppController -> - oneTimeJ
umpURL
[*] [2023-6-23 15:28:28:907] Hooking successful: PreferencesAppController -> - addBusyC
ontrollersFromRootController:
[*] [2023-6-23 15:28:28:908] Hooking successful: PreferencesAppController -> - endAndIn
validateBackgroundTask
[*] [2023-6-23 15:28:28:909] Hooking successful: PreferencesAppController -> - controll
erFinished:
[*] [2023-6-23 15:28:28:910] Hooking successful: PreferencesAppController -> - _handleB
usyControllers
[*] [2023-6-23 15:28:28:911] Hooking successful: PreferencesAppController -> - _suspend
Controllers
[*] [2023-6-23 15:28:28:912] Hooking successful: PreferencesAppController -> - _handleE
xternalApplicationChange
[*] [2023-6-23 15:28:28:913] Hooking successful: PreferencesAppController -> - _handleI
conChangeForBundleID:
[*] [2023-6-23 15:28:28:914] Hooking successful: PreferencesAppController -> - systemDi
dwake:
[*] [2023-6-23 15:28:28:915] Hooking successful: PreferencesAppController -> - signific

```

```

antTimeChange
[*] [2023-6-23 15:28:28:916] Hooking successful: PreferencesAppController -> - resetLoc
ale
[*] [2023-6-23 15:28:28:917] Hooking successful: PreferencesAppController -> - defaultI
mageSnapshotExpiration
[*] [2023-6-23 15:28:28:918] Hooking successful: PreferencesAppController -> - dealloc
[*] [2023-6-23 15:28:28:919] Hooking successful: PreferencesAppController -> - _registe
rForPowerNotifications
[*] [2023-6-23 15:28:28:920] Hooking successful: PreferencesAppController -> - _deregis
terForPowerNotifications
[*] [2023-6-23 15:28:28:921] Hooking successful: PreferencesAppController -> - _accesso
ryDidConnect:
[*] [2023-6-23 15:28:28:922] Hooking successful: PreferencesAppController -> - accessor
yDidDisconnect:
[*] [2023-6-23 15:28:28:923] Hooking successful: PreferencesAppController -> - splitVie
wController:separateSecondaryViewControllerFromPrimaryViewController:
[*] [2023-6-23 15:28:28:924] Hooking successful: PreferencesAppController -> - splitVie
wController:collapseSecondaryViewController:ontoPrimaryViewController:
[*] [2023-6-23 15:28:28:925] Hooking successful: PreferencesAppController -> - splitVie
wControllerDidPopToRootController:
[*] [2023-6-23 15:28:28:926] Hooking successful: PreferencesAppController -> - carrierB
undleChange:
[*] [2023-6-23 15:28:28:927] Hooking successful: PreferencesAppController -> - rootDoma
inConnect
[*] [2023-6-23 15:28:28:929] Hooking successful: PreferencesAppController -> - setRootD
omainConnect:
[*] [2023-6-23 15:28:28:930] Hooking successful: PreferencesAppController -> - busyCont
rollers
[*] [2023-6-23 15:28:28:931] Hooking successful: PreferencesAppController -> - setBusyC
ontrollers:
[*] [2023-6-23 15:28:28:931] Hooking successful: PreferencesAppController -> - client
[*] [2023-6-23 15:28:28:932] Hooking successful: PreferencesAppController -> - setClien
t:
[*] [2023-6-23 15:28:28:933] Hooking successful: PreferencesAppController -> - urlManag
er
[*] [2023-6-23 15:28:28:934] Hooking successful: PreferencesAppController -> - setUrlMa
nager:
[*] [2023-6-23 15:28:28:935] Hooking successful: PreferencesAppController -> - windowSc
eneClass
[*] [2023-6-23 15:28:28:936] Hooking successful: PreferencesAppController -> - setWindo
wSceneClass:
[*] [2023-6-23 15:28:28:937] Hooking successful: PreferencesAppController -> - scene
[*] [2023-6-23 15:28:28:938] Hooking successful: PreferencesAppController -> - setScene
:
[*] [2023-6-23 15:28:28:939] Hooking successful: PreferencesAppController -> - accountE
numerator
[*] [2023-6-23 15:28:28:940] Hooking successful: PreferencesAppController -> - setAccou
ntEnumerator:
[*] [2023-6-23 15:28:28:941] Hooking successful: PreferencesAppController -> - _uuidReg
ex
[*] [2023-6-23 15:28:28:942] Hooking successful: PreferencesAppController -> - set_uuid
Regex:
[*] [2023-6-23 15:28:28:943] Hooking successful: PreferencesAppController -> - .cxx_des
truct
[*] [2023-6-23 15:28:28:945] Hooking successful: PreferenceSceneDelegate -> - scene:wil
lConnectToSession:options:

```

```
[*] [2023-6-23 15:28:28:946] Hooking successful: PreferenceSceneDelegate -> - scene:openURLContexts:  
[*] [2023-6-23 15:28:28:947] Hooking successful: PreferenceSceneDelegate -> - scene:continueUserActivity:  
[*] [2023-6-23 15:28:28:948] Hooking successful: PreferenceSceneDelegate -> - windowScene:performActionForShortcutItem:completionHandler:  
[*] Completed: Hook all methods of all app only classes  
[iPhone::com.apple.Preferences ]->
```

后续操作Preferences的页面，但是却没有更多的输出。

暂时就这样，有空再深究。

crifan.org, 使用[署名4.0国际\(CC BY 4.0\)协议](#)发布 all right reserved, powered by Gitbook最后更新：
2023-06-23 15:31:48

ApiResolver

查找类 AAUISignInViewController 中的所有函数

- Frida命令

```
frida -U -p 18031 -l ./hookAccountLogin.js
```

- js文件 hookAccountLogin.js 的内容

```
var resolver = new ApiResolver('objc');
resolver.enumerateMatches('*[AAUISignInViewController *]', {
    onMatch: function(match) {
        console.log(match['name'] + ":" + match['address']);
    },
    onComplete: function() {}
});
```

- 输出

```
root@192.168.2.13 (ssh) 361 .lcDebug/frida (-zsh)
56% 11 GB 4.1 kB↓ 4.1 kB↑ 3/14, 16:10
Failed to spawn: unable to find process with name 'Preferences'
x crifan@licrifandeMacBook-Pro ~/dev/dev_root/iosReverse/AppleStore/Preferences_app/dynamicDebug/frida frida -U -l ./hookAccountLogin.js -n Preferences
_____
| ( ) | Frida 16.0.10 - A world-class dynamic instrumentation toolkit
| ( ) | Commands:
| ( ) |   help      -> Displays the help system
| ( ) |   object?   -> Display information about 'object'
| ( ) |   exit/quit -> Exit
| ( ) |   More info at https://frida.re/docs/home/
| ( ) |   Connected to iPhone (id=abcd0dd961c3cb96f5c4afe109de4eb48b88433a)
| ( ) | Failed to spawn: unable to find process with name 'Preferences'
x crifan@licrifandeMacBook-Pro ~/dev/dev_root/iosReverse/AppleStore/Preferences_app/dynamicDebug/frida frida -U -l ./hookAccountLogin.js -p 18031
_____
| ( ) | Frida 16.0.10 - A world-class dynamic instrumentation toolkit
| ( ) | Commands:
| ( ) |   help      -> Displays the help system
| ( ) |   object?   -> Display information about 'object'
| ( ) |   exit/quit -> Exit
| ( ) |   More info at https://frida.re/docs/home/
| ( ) |   Connected to iPhone (id=abcd0dd961c3cb96f5c4afe109de4eb48b88433a)
Attaching...
+[AAUISignInViewController phoneNumberSupportedWithCompletion:]::0x1b30c82f4
-[AAUISignInViewController textField:shouldChangeCharactersInRange:replacementString:]::0x1b30ce4bc
-[AAUISignInViewController tableView:viewForHeaderInSection:]::0x1b30ce40c
-[AAUISignInViewController textFieldShouldReturn:]::0x1b30ce47c
-[AAUISignInViewController _keyboardWillHide:]::0x1b30cd40
-[AAUISignInViewController _titleLabel:]::0x1b30c954c
-[AAUISignInViewController _keyboardWillShow:]::0x1b30cd7e8
-[AAUISignInViewController loadView:]::0x1b30c872c
-[AAUISignInViewController setUsername:]::0x1b30ce81c
-[AAUISignInViewController sizeCategoryDidChange:]::0x1b30cddd64
-[AAUISignInViewController _hasValidCredentials:]::0x1b30cb5ec
-[AAUISignInViewController _username:]::0x1b30ce80c
-[AAUISignInViewController tableView:numberOfRowsInSection:]::0x1b30ce170
-[AAUISignInViewController viewDidLoad:]::0x1b30c878c
-[AAUISignInViewController _tableView:]::0x1b30c9a70
-[AAUISignInViewController delegate:]::0x1b30ce798
-[AAUISignInViewController authenticationContext:]::0x1b30c92c4
-[AAUISignInViewController _setEnabled:]::0x1b30cb7f8
-[AAUISignInViewController _tableFooterView:]::0x1b30ca644
-[AAUISignInViewController viewWillAppear:]::0x1b30cbf7c
-[AAUISignInViewController tableView:willDisplayCell:forRowAtIndexPath:]::0x1b30ce3a8
-[AAUISignInViewController remoteUIViewController:shouldLoadRequest:redirectResponse:]::0x1b30ce000
-[AAUISignInViewController _cxx_destruct]::0x1b30c8884
-[AAUISignInViewController numberOfRowsInSection:]::0x1b30ce168
-[AAUISignInViewController viewDidDisappear:]::0x1b30ce0168
-[AAUISignInViewController traitCollectionDidChange:]::0x1b30ce5cc
-[AAUISignInViewController initWithCoder:]::0x1b30cb8dc
-[AAUISignInViewController tableView:heightForRowAtIndexPath:]::0x1b30ce324
-[AAUISignInViewController tableView:viewForFooterInSection:]::0x1b30ce440
-[AAUISignInViewController tableView:cellForRowAtIndexPath:]::0x1b30ce1b0
_____
x crifan@licrifandeMacBook-Pro ~/dev/dev_root/iosReverse/AppleStore/Preferences_app/dynamicDebug/frida frida -U -l ./hookAccountLogin.js -p 18031
```

```

/ _ | Frida 16.0.10 - A world-class dynamic instrumentation toolkit
|_ |
> _ |
/_ | Commands:
    help      -> Displays the help system
    object?   -> Display information about 'object'
    exit/quit -> Exit

+_ + + + More info at https://frida.re/docs/home/
+_ + + +
+_ + + + Connected to iPhone (id abdc0dd961c3cb96f5c4afe109de4eb48b88433a)
Attaching...
+ [AAUISignInViewController phoneNumberSupportedWithCompletion:] : 0x1b30c82f4
- [AAUISignInViewController textField:shouldChangeCharactersInRange:replacementString:] : 0x1b30ce4bc
- [AAUISignInViewController tableView:viewForHeaderInSection:] : 0x1b30ce40c
- [AAUISignInViewController textFieldShouldReturn:] : 0x1b30ce47c
- [AAUISignInViewController _keyboardWillHide:] : 0x1b30cda40
- [AAUISignInViewController titleLabel] : 0x1b30c954c
- [AAUISignInViewController _keyboardWillShow:] : 0x1b30cd7e8
- [AAUISignInViewController loadView] : 0x1b30c872c
- [AAUISignInViewController setUsername:] : 0x1b30ce81c
- [AAUISignInViewController sizeCategoryDidChange:] : 0x1b30cddd64
- [AAUISignInViewController _hasValidCredentials] : 0x1b30cb5ec
- [AAUISignInViewController username] : 0x1b30ce80c
- [AAUISignInViewController tableView:numberOfRowsInSection:] : 0x1b30ce170
- [AAUISignInViewController viewDidLoad] : 0x1b30c878c
- [AAUISignInViewController _tableView] : 0x1b30c9a70
- [AAUISignInViewController delegate] : 0x1b30ce798
- [AAUISignInViewController authenticationContext] : 0x1b30c92c4
- [AAUISignInViewController _setEnabled:] : 0x1b30cb7f8
- [AAUISignInViewController _tableFooterView] : 0x1b30ca644
- [AAUISignInViewController viewWillAppear:] : 0x1b30c8f7c
- [AAUISignInViewController tableView:willDisplayCell:forRowAtIndexPath:] : 0x1b30ce3a8
- [AAUISignInViewController remoteUIController:shouldLoadRequest:redirectResponse:] : 0x1b30ce000
- [AAUISignInViewController .cxx_destruct] : 0x1b30ce884
- [AAUISignInViewController numberOfSectionsInTableView:] : 0x1b30ce168
- [AAUISignInViewController viewDidDisappear:] : 0x1b30c91e8
- [AAUISignInViewController traitCollectionDidChange:] : 0x1b30ce5cc
- [AAUISignInViewController initWithCoder:] : 0x1b30c86dc
- [AAUISignInViewController tableView:heightForRowAtIndexPath:] : 0x1b30ce324
- [AAUISignInViewController tableView:viewForFooterInSection:] : 0x1b30ce440
- [AAUISignInViewController tableView:cellForRowAtIndexPath:] : 0x1b30ce1b0
- [AAUISignInViewController setDelegate:] : 0x1b30ce7b8
- [AAUISignInViewController _tableHeaderView] : 0x1b30c9708
- [AAUISignInViewController tableView:shouldDrawTopSeparatorForSection:] : 0x1b30ce474
- [AAUISignInViewController messageLabel] : 0x1b30c95a0
- [AAUISignInViewController initWithNibName:bundle:] : 0x1b30c8498
- [AAUISignInViewController dealloc] : 0x1b30c9258
- [AAUISignInViewController _cancelBarButton Item] : 0x1b30c95f4
- [AAUISignInViewController viewDidLayoutSubviews] : 0x1b30c9144
- [AAUISignInViewController _cancelPasswordDelegateIfNecessary] : 0x1b30ccecc
- [AAUISignInViewController context:needsPasswordWithCompletion:] : 0x1b30cdfa0
- [AAUISignInViewController _passwordCell] : 0x1b30ca1c0
- [AAUISignInViewController _textFieldDidChange:] : 0x1b30cd4d4

```

```

- [AAUISignInViewController _nextBarButtonButtonItem]:0x1b30c9638
- [AAUISignInViewController _updateConstraintsForTraitCollection]:0x1b30ce6c0
- [AAUISignInViewController _beginObservingTextFieldDidChangeNotifications]:0x1b30cd40c
- [AAUISignInViewController _beginObservingKeyboardWillShowNotifications]:0x1b30cd5f0
- [AAUISignInViewController _beginObservingSizeCategoryNotification]:0x1b30cdc9c
- [AAUISignInViewController _usernameCell]:0x1b30c9c00
- [AAUISignInViewController _updateContentInsetWithHeight]:0x1b30cdb74
- [AAUISignInViewController _endObservingSizeCategoryNotification]:0x1b30cdd04
- [AAUISignInViewController _endObservingTextFieldDidChangeNotifications]:0x1b30cd474
- [AAUISignInViewController _endObservingKeyboardWillShowNotifications]:0x1b30cd6f8
- [AAUISignInViewController _akServiceType]:0x1b30ce758
- [AAUISignInViewController _shouldAnticipatePiggybacking]:0x1b30ce778
- [AAUISignInViewController _accountsHeaderView]:0x1b30c97b0
- [AAUISignInViewController _cancelButtonSelected]:0x1b30cb96c
- [AAUISignInViewController _nextButtonSelected]:0x1b30cb978
- [AAUISignInViewController constrainView:toFillHeaderFooterView]:0x1b30cb1d0
- [AAUISignInViewController allowsAccountCreation]:0x1b30ce7cc
- [AAUISignInViewController _actionButtonSelected]:0x1b30cb9ac
- [AAUISignInViewController showServiceIcons]:0x1b30ce7ec
- [AAUISignInViewController _stringForFooter]:0x1b30cb6c4
- [AAUISignInViewController privacyLinkIdentifiers]:0x1b30ce848
- [AAUISignInViewController _showOnlyPassword]:0x1b30cccac
- [AAUISignInViewController _isGreenTeaCapable]:0x1b30cb6b8
- [AAUISignInViewController _setUsernameCellWaiting]:0x1b30cd31c
- [AAUISignInViewController _delegate_signInViewControllerDidCancel]:0x1b30cdf10
- [AAUISignInViewController _attemptAuthentication]:0x1b30cc070
- [AAUISignInViewController _prewarmSignInFlowIfApplicable]:0x1b30cc018
- [AAUISignInViewController _presentForgotAppleIDPane]:0x1b30cbf48
- [AAUISignInViewController _presentCreateAppleIDPane]:0x1b30cbe78
- [AAUISignInViewController _attemptAuthenticationWithContext]:0x1b30cc364
- [AAUISignInViewController _isPasswordFieldVisible]:0x1b30cb670
- [AAUISignInViewController _isRunningInSettings]:0x1b30cb774
- [AAUISignInViewController _repairCloudAccountWithAuthenticationResults]:0x1b30cc89c
- [AAUISignInViewController _delegate_signInViewControllerDidCompleteWithAuthenticationResults]:0x1b30cde68
- [AAUISignInViewController _authorizationValueForAuthenticationResults]:0x1b30ccd30
- [AAUISignInViewController _passwordFieldIndexPath]:0x1b30cd3f0
- [AAUISignInViewController _setPasswordFieldHidden]:0x1b30ccf68
- [AAUISignInViewController _setAkServiceType]:0x1b30ce768
- [AAUISignInViewController _setShouldAnticipatePiggybacking]:0x1b30ce788
- [AAUISignInViewController setAllowsAccountCreation]:0x1b30ce7dc
- [AAUISignInViewController setShowServiceIcons]:0x1b30ce7fc
- [AAUISignInViewController canEditUsername]:0x1b30ce828
- [AAUISignInViewController setCanEditUsername]:0x1b30ce838
- [AAUISignInViewController setPrivacyLinkIdentifiers]:0x1b30ce858
- [AAUISignInViewController showingPasswordCell]:0x1b30ce864
- [AAUISignInViewController setShowingPasswordCell]:0x1b30ce874
[iPhone::PID::18031 ]-

```

Stalker

别处某示例

参考自：【iOS逆向】某营业厅算法分析_小陈_InfoQ写作社区

ts = TypeScript 代码：

```

var addr = 0x0000000029FD08 // loginWithPhoneNbr函数的起始地址
var mainModule = Process.enumerateModules()[0];
console.log(JSON.stringify(mainModule));
var mainName: string = mainModule.name;
var baseAddr = Module.findBaseAddress(mainName)!;
Interceptor.attach(baseAddr.add(addr), {
    onEnter: function(args) {
        console.log(addr.toString(16), "= loginWithPhoneNbr onEnter =");
        var tid = Process.getCurrentThreadId();
        Stalker.follow(tid, {
            events: {
                call: true, // CALL instructions: yes please
                ret: false, // RET instructions
                exec: false, // all instructions: not recommended as it's
                block: false, // block executed: coarse execution trace
                compile: false // block compiled: useful for coverage
            },
            transform: (iterator: StalkerArm64Iterator) => {
                let instruction = iterator.next();
                const startAddress = instruction.address;
                var isAppCode = startAddress.compare(baseAddr.add(addr)) >= 0 && startAddress.compare(baseAddr.add(addr).add(10000)) === -1;
                do {
                    if (isAppCode) {
                        if (instruction.mnemonic === "bl") {
                            iterator.putCallout((ctx) => {
                                var arm64Context = ctx as Arm64CpuContext;
                                console.log("bl x0 = " + new Objc.Object(arm64Context.x0));
                                console.log("bl x1 = " + arm64Context.x1.readCString());
                            });
                        }
                    }
                    iterator.keep();
                } while ((instruction = iterator.next()) !== null);
            }
        });
    },
    onLeave: function(retval) {
        console.log("retval:", new Objc.Object(retval));
        console.log(addr.toString(16), "= loginWithPhoneNbr onLeave =");
    }
});

```

frida-stalker-example

别处的例子：

[misc/frida-stalker-example.py at master · poxyran/misc · GitHub](#)

```
import sys
import frida

def on_message(message, data):
    print "[%-s] -> %s" % (message, data)

def main(target_process):
    session = frida.attach(target_process)
    script = session.create_script("""
function StalkerExample()
{
    var threadIds = [];

    Process.enumerateThreads({
        onMatch: function (thread)
        {
            threadIds.push(thread.id);
            console.log("Thread ID: " + thread.id.toString());
        },
        onComplete: function ()
        {
            threadIds.forEach(function (threadId)
            {
                Stalker.follow(threadId,
                {
                    events: {call: true},
                    onReceive: function (events)
                    {
                        console.log("onReceive called.");
                    },
                    onCallSummary: function (summary)
                    {
                        console.log("onCallSummary called.");
                    }
                });
            });
        }
    });
}

StalkerExample();
""")  

    script.on('message', on_message)
    script.load()
    raw_input('[!] Press <Enter> at any time to detach from instrumented program.\n\n')
    session.detach()
```

```
if __name__ == '__main__':
    if len(sys.argv) < 2:
        print 'Usage: %s <process name or PID>' % __file__
        sys.exit(1)

try:
    target_process = int(sys.argv[1])
except ValueError:
    target_process = sys.argv[1]

main(target_process)
```

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2023-06-25 23:10:55

__lldb_unnamed_symbol2575\$\$akd

用 Frida 的 Stalker 调试 arm64 的 akd 函数 __lldb_unnamed_symbol2575\$\$akd :

Frida命令

```
frida -U -n akd -l ./fridaStalker_akdSymbol2575.js
```

js文件 fridaStalker_akdSymbol2575.js 的内容

```
console.log("===== Frida Stalker hook for arm64 __lldb_unnamed_symbol2575$$akd =====");

// arm64 akd: __lldb_unnamed_symbol2575$$akd
// var funcRelativeStartAddr = 0x1000a0460;
var funcRelativeStartAddr = 0xa0460;
var functionSize = 0x24C8; // 9416 == 0x24C8
var funcRelativeEndAddr = funcRelativeStartAddr + functionSize;
console.log("funcRelativeStartAddr=" + funcRelativeStartAddr + ", functionSize=" + functionSize + ", funcRelativeEndAddr=" + funcRelativeEndAddr);
const moduleName = "akd";
const moduleBaseAddress = Module.findBaseAddress(moduleName);
console.log("moduleName=" + moduleName + ", moduleBaseAddress=" + moduleBaseAddress);
// console.log("moduleName=%s, moduleBaseAddress=%p", moduleName, moduleBaseAddress);
const funcRealStartAddr = moduleBaseAddress.add(funcRelativeStartAddr);
// var funcRealEndAddr = funcRealStartAddr + functionSize;
const funcRealEndAddr = funcRealStartAddr.add(functionSize);
console.log("funcRealStartAddr=" + funcRealStartAddr + ", funcRealEndAddr=" + funcRealEndAddr);
var curTid = null;
Interceptor.attach(funcRealStartAddr, {
    onEnter: function(args) {
        var arg0 = args[0]
        var arg1 = args[1]
        var arg2 = args[2]
        var arg3 = args[3]
        console.log("----- arg0=" + arg0 + ", arg1=" + arg1 + ", arg2=" + arg2 + ", arg3=" + arg3);
        var curTid = Process.getCurrentThreadId();
        console.log("curTid=", curTid);
        Stalker.follow(curTid, {
            events: {
                call: false, // CALL instructions: yes please
                ret: true, // RET instructions
                exec: false, // all instructions: not recommended as it's
                block: false, // block executed: coarse execution trace
                compile: false // block compiled: useful for coverage
            },
            // onReceive: Called with `events` containing a binary blob comprised of one or more GumEvent structs. See `gumevent.h` for details about the format. Use `Stalker.parse()` to examine the data.
        })
    }
})
```

```

onReceive(events) {
    var parsedEvents = Stalker.parse(events)
    // var parsedEventsStr = JSON.stringify(parsedEventsStr)
    // console.log("">>> into onReceive: parsedEvents=" + parsedEvents + ", "
parsedEventsStr=" + parsedEventsStr);
    console.log("">>> into onReceive: parsedEvents=" + parsedEvents);
}

// transform: (iterator: StalkerArm64Iterator) => {
transform: function (iterator) {
    // console.log("iterator=" + iterator);
    var instruction = iterator.next();
    const startAddress = instruction.address;
    // console.log("++ into iterator: startAddress=" + startAddress);
    // const isAppCode = startAddress.compare(funcRealStartAddr) >= 0 && st
artAddress.compare(funcRealEndAddr) === -1;
    // const isAppCode = (startAddress.compare(funcRealStartAddr) >= 0) &&
(startAddress.compare(funcRealEndAddr) < 0);
    const gt_realStartAddr = startAddress.compare(funcRealStartAddr) >= 0
    const lt_realEndAddr = startAddress.compare(funcRealEndAddr) < 0
    var isAppCode = gt_realStartAddr && lt_realEndAddr
    console.log("++ into iterator: startAddress=" + startAddress + ", isAp
pCode=" + isAppCode);

    // // for debug
    // isAppCode = true

    // console.log("isAppCode=" + isAppCode + ", gt_realStartAddr=" + gt_re
alStartAddr + ", lt_realEndAddr=" + lt_realEndAddr);
    do {
        if (isAppCode) {
            // is orignal function code = which we focus on

            // console.log("instruction: address=" + instruction.address
            // + ",next=" + instruction.next()
            // + ",size=" + instruction.size
            // + ",mnemonic=" + instruction.mnemonic
            // + ",opStr=" + instruction.opStr
            // + ",operands=" + JSON.stringify(instruction.operands)
            // + ",regsAccessed=" + JSON.stringify(instruction.regsAcce
ssed)
            // + ",regsRead=" + JSON.stringify(instruction.regsRead)
            // + ",regsWritten=" + JSON.stringify(instruction.regsWritt
en)
            // + ",groups=" + JSON.stringify(instruction.groups)
            // + ",toString()=" + instruction.toString()
            // + ",toJSON()=" + instruction.toJSON()
            // );

            var curRealAddr = instruction.address;
            // const isAppCode = curRealAddr.compare(funcRealStartAddr) >=
0 && curRealAddr.compare(funcRealEndAddr) === -1;
            // console.log(curRealAddr + ": isAppCode=" + isAppCode);
            var curOffsetHexPtr = curRealAddr.sub(funcRealStartAddr)
            var curOffsetInt = curOffsetHexPtr.toInt32()
        }
    }
}

```

```

        // var instructionStr = instruction.mnemonic + " " + instruction
n.opStr
        var instructionStr = instruction.toString()
        // console.log("\t" + curRealAddr + ": " + instructionStr);
        // console.log("\t" + curRealAddr + " <+" + curOffsetHexPtr + "
>: " + instructionStr);
        console.log("\t" + curRealAddr + " <+" + curOffsetInt + ">: " +
instructionStr);
        if (curOffsetInt == 8516) {
            console.log("curOffsetInt=" + curOffsetInt);
            // iterator.putCallout(needDebug);
            iterator.putCallout((context) => {
                var contextStr = JSON.stringify(context)
                console.log("contextStr=" + contextStr);
                var x9Value1 = context.x9
                var x9Value2 = context["x9"]
                console.log("x9Value1=" + x9Value1 + ", x9Value2=" + x9
Value2)
            });
        }
    }
    iterator.keep();
} while ((instruction = iterator.next()) != null);
}
});

// function needDebug(context) {
//     console.log("into needDebug");
//     // console.log("into needDebug: context=" + context);
//     // var contextStr = JSON.stringify(context, null, 2)
//     // console.log("context=" + contextStr);
//     // var x9Value1 = context.x9
//     // var x9Value2 = context["x9"]
//     // console.log("x9Value1=" + x9Value1 + ", x9Value2=" + x9Value2)
// }
},
onLeave: function(retval) {
    console.log("retval=", new ObjC.Object(retval))
    if (curTid != null) {
        Stalker.unfollow(curTid);
        console.log("Stalker.unfollow curTid=", curTid)
    }
}
});

```

输出

最开始输出环境初始化信息：

```

===== Frida Stalker hook for arm64 __lldb_unnamed_symbol2575 :akd =====
funcRelativeStartAddr=656480, funcSize=9416, funcRelativeEndAddr=665896
moduleName akd, moduleBaseAddress 0x1040e4000
funcRealStartAddr=0x104184460, funcRealEndAddr=0x104186928

```

```
[iPhone: akd ]-> ----- arg0 0xfffffffffffffff, arg1 0x16bf46838, arg2 0x16bf46838, arg3
=0xfffffffffffffff
curTid = 9739
```

(如果开启调试:

```
// for debug
isAppCode = true
```

则会输出)

(最初是) 一些非原始函数代码:

```
+++ into iterator: startAddress 0x106d0bcd8, isAppCode false
0x106d0bcd8 <- 45643896: b 0x106d0bce8
+++ into iterator: startAddress 0x106d0bce8, isAppCode false
0x106d0bce8 <- 45643912: str wZR, [x19, #0x90]
0x106d0bcec <- 45643916: ldr x0, [x19, #0xa0]
0x106d0bcf0 <- 45643920: str xZR, [x19, #0xa0]
0x106d0bcf4 <- 45643924: cbz x0, 0x106d0bcfc
+++ into iterator: startAddress 0x106d0bcf8, isAppCode false
0x106d0bcf8 <- 45643928: b1 0x106c0fef8
+++ into iterator: startAddress 0x106d0bcfc, isAppCode false
0x106d0bcfc <- 45643932: ldr x0, [x19, #0x98]
0x106d0bd00 <- 45643936: str xZR, [x19, #0x98]
0x106d0bd04 <- 45643940: cbz x0, 0x106d0bd14
+++ into iterator: startAddress 0x106d0bd08, isAppCode false
0x106d0bd08 <- 45643944: ldp x29, x30, [sp, #0x10]
0x106d0bd0c <- 45643948: ldp x20, x19, [sp], #0x20
0x106d0bd10 <- 45643952: b 0x106c0fef8
+++ into iterator: startAddress 0x106c0fef8, isAppCode false
0x106c0fef8 <- 44612248: stp x24, x23, [sp, #-0x40]
0x106c0fefc <- 44612252: stp x22, x21, [sp, #0x10]
0x106c0ff00 <- 44612256: stp x20, x19, [sp, #0x20]
0x106c0ff04 <- 44612260: stp x29, x30, [sp, #0x30]
0x106c0ff08 <- 44612264: add x29, sp, #0x30
0x106c0ff0c <- 44612268: mov x19, x0
0x106c0ff10 <- 44612272: add x23, x0, #8
0x106c0ff14 <- 44612276: add x20, x0, #0x10
0x106c0ff18 <- 44612280: adrp x22, 0x107d28000
0x106c0ff1c <- 44612284: adrp x21, 0x107d28000
0x106c0ff20 <- 44612288: add x21, x21, #0x790
0x106c0ff24 <- 44612292: ldar w24, [x23]
0x106c0ff28 <- 44612296: cmp w24, #2
0x106c0ff2c <- 44612300: b.lt 0x106c0ff50
+++ into iterator: startAddress 0x106c0ff30, isAppCode false
0x106c0ff30 <- 44612304: b1 0x106c12110
+++ into iterator: startAddress 0x106c0ff34, isAppCode false
0x106c0ff34 <- 44612308: sub w8, w24, #1
0x106c0ff38 <- 44612312: ldaxr w9, [x23]
0x106c0ff3c <- 44612316: cmp w9, w24
0x106c0ff40 <- 44612320: b.ne 0x106c0ff7c
0x106c0ff44 <- 44612324: stlxr w9, w8, [x23]
```

```

0x106c0ff48 < 44612328 > cbnz w9, #0x106c0ff38
+++ into iterator: startAddress 0x106c0ff4c, isAppCode false
0x106c0ff4c < 44612332 > b #0x106c0ff84
+++ into iterator: startAddress 0x106c0ff84, isAppCode false
0x106c0ff84 < 44612388 > cmp w24, #2
0x106c0ff88 < 44612392 > b.ne #0x106c10028
+++ into iterator: startAddress 0x106c0ff8c, isAppCode false
0x106c0ff8c < 44612396 > tbz w0, #0, #0x106c10028
+++ into iterator: startAddress 0x106c10028, isAppCode false
0x106c10028 < 44612552 > ldp x29, x30, [sp, #0x30]
0x106c1002c < 44612556 > ldp x20, x19, [sp, #0x20]
0x106c10030 < 44612560 > ldp x22, x21, [sp, #0x10]
0x106c10034 < 44612564 > ldp x24, x23, [sp], #0x40
0x106c10038 < 44612568 > ret
+++ into iterator: startAddress 0x106d0a104, isAppCode false
0x106d0a104 < 45636772 > ldur x8, [x29, #-0x48]
0x106d0a108 < 45636776 > adrp x9, #0x107c28000
0x106d0a10c < 45636780 > ldr x9, [x9, #0x28]
0x106d0a110 < 45636784 > ldr x9, [x9]
0x106d0a114 < 45636788 > cmp x9, x8
0x106d0a118 < 45636792 > b.ne #0x106d0a138
+++ into iterator: startAddress 0x106d0a11c, isAppCode false
0x106d0a11c < 45636796 > ldp x29, x30, [sp, #0x100]
0x106d0a120 < 45636800 > ldp x20, x19, [sp, #0xf0]
0x106d0a124 < 45636804 > ldp x22, x21, [sp, #0xe0]
0x106d0a128 < 45636808 > ldp x24, x23, [sp, #0xd0]
0x106d0a12c < 45636812 > ldp x28, x27, [sp, #0xc0]
0x106d0a130 < 45636816 > add sp, sp, #0x110
0x106d0a134 < 45636820 > ret
+++ into iterator: startAddress 0x106cb825c, isAppCode false
0x106cb825c < 45301244 > add w22, w22, #1
0x106cb8260 < 45301248 > b #0x106cb820c
+++ into iterator: startAddress 0x106cb820c, isAppCode false
0x106cb820c < 45301164 > ldr w8, [x25, #8]
0x106cb8210 < 45301168 > cmp w22, w8
0x106cb8214 < 45301172 > b.eq #0x106cb8264
+++ into iterator: startAddress 0x106cb8264, isAppCode false
0x106cb8264 < 45301252 > ldr w25, [x26, #0x10]
0x106cb8268 < 45301256 > tbnz w19, #0, #0x106cb8274
+++ into iterator: startAddress 0x106cb8274, isAppCode false
0x106cb8274 < 45301268 > ldr x21, [sp, #8]
0x106cb8278 < 45301272 > mov x0, x25
0x106cb827c < 45301276 > b1 #0x106cc899c
+++ into iterator: startAddress 0x106cb8280, isAppCode false
0x106cb8280 < 45301280 > adrp x8, #0x107d2a000
0x106cb8284 < 45301284 > ldr x0, [x8, #0x780]
0x106cb8288 < 45301288 > b1 #0x106cb8b94
+++ into iterator: startAddress 0x106cb828c, isAppCode false
0x106cb828c < 45301292 > cbz w19, #0x106cb829c
+++ into iterator: startAddress 0x106cb8290, isAppCode false
0x106cb8290 < 45301296 > ldr x8, [x20, #0x70]
0x106cb8294 < 45301300 > ldr x9, [sp, #0x10]
0x106cb8298 < 45301304 > str x8, [x9]
0x106cb829c < 45301308 > ldr x8, [x27]
0x106cb82a0 < 45301312 > cbz x8, #0x106cb82dc
+++ into iterator: startAddress 0x106cb82dc, isAppCode false

```

```

0x106cb82dc < 45301372: add x27, x20, #0x68
0x106cb82e0 < 45301376: ldr x8, [x27]
0x106cb82e4 < 45301380: str x8, [x21]
0x106cb82e8 < 45301384: tbnz w19, #0, #0x106cb82fc
+++ into iterator: startAddress 0x106cb82fc, isAppCode false
0x106cb82fc < 45301404: ldp x29, x30, [sp, #0x90]
0x106cb8300 < 45301408: ldp x20, x19, [sp, #0x80]
0x106cb8304 < 45301412: ldp x22, x21, [sp, #0x70]
0x106cb8308 < 45301416: ldp x24, x23, [sp, #0x60]
0x106cb830c < 45301420: ldp x26, x25, [sp, #0x50]
0x106cb8310 < 45301424: ldp x28, x27, [sp, #0x40]
0x106cb8314 < 45301428: add sp, sp, #0xa0
0x106cb8318 < 45301432: ret
+++ into iterator: startAddress 0x1044fc0b0, isAppCode false
0x1044fc0b0 < 3636304: add sp, sp, #0x10
0x1044fc0b4 < 3636308: ldp x1, x0, [sp], #0x10
0x1044fc0b8 < 3636312: msr nzcv, x1
0x1044fc0bc < 3636316: ldp x1, x2, [sp], #0x10
0x1044fc0c0 < 3636320: ldp x3, x4, [sp], #0x10
0x1044fc0c4 < 3636324: ldp x5, x6, [sp], #0x10
0x1044fc0c8 < 3636328: ldp x7, x8, [sp], #0x10
0x1044fc0cc < 3636332: ldp x9, x10, [sp], #0x10
0x1044fc0d0 < 3636336: ldp x11, x12, [sp], #0x10
0x1044fc0d4 < 3636340: ldp x13, x14, [sp], #0x10
0x1044fc0d8 < 3636344: ldp x15, x16, [sp], #0x10
0x1044fc0dc < 3636348: ldp x17, x18, [sp], #0x10
0x1044fc0e0 < 3636352: ldp x19, x20, [sp], #0x10
0x1044fc0e4 < 3636356: ldp x21, x22, [sp], #0x10
0x1044fc0e8 < 3636360: ldp x23, x24, [sp], #0x10
0x1044fc0ec < 3636364: ldp x25, x26, [sp], #0x10
0x1044fc0f0 < 3636368: ldp x27, x28, [sp], #0x10
0x1044fc0f4 < 3636372: ldp x29, x30, [sp], #0x10
0x1044fc0f8 < 3636376: ldp q0, q1, [sp], #0x20
0x1044fc0fc < 3636380: ldp q2, q3, [sp], #0x20
0x1044fc100 < 3636384: ldp q4, q5, [sp], #0x20
0x1044fc104 < 3636388: ldp q6, q7, [sp], #0x20
0x1044fc108 < 3636392: ldp q8, q9, [sp], #0x20
0x1044fc10c < 3636396: ldp q10, q11, [sp], #0x20
0x1044fc110 < 3636400: ldp q12, q13, [sp], #0x20
0x1044fc114 < 3636404: ldp q14, q15, [sp], #0x20
0x1044fc118 < 3636408: ldp q16, q17, [sp], #0x20
0x1044fc11c < 3636412: ldp q18, q19, [sp], #0x20
0x1044fc120 < 3636416: ldp q20, q21, [sp], #0x20
0x1044fc124 < 3636420: ldp q22, q23, [sp], #0x20
0x1044fc128 < 3636424: ldp q24, q25, [sp], #0x20
0x1044fc12c < 3636428: ldp q26, q27, [sp], #0x20
0x1044fc130 < 3636432: ldp q28, q29, [sp], #0x20
0x1044fc134 < 3636436: ldp q30, q31, [sp], #0x20
0x1044fc138 < 3636440: ldp x16, x17, [sp], #0x10
0x1044fc13c < 3636444: ret x16
+++ into iterator: startAddress 0x108040030, isAppCode false
0x108040030 < 65780688: sub sp, sp, #0xf0
0x108040034 < 65780692: stp x28, x27, [sp, #0x90]
0x108040038 < 65780696: stp x26, x25, [sp, #0xa0]
0x10804003c < 65780700: stp x24, x23, [sp, #0xb0]
0x108040040 < 65780704: ldr x16, #0x108040048

```

```
0x108040044 < 65780708 : br x16
```

之后才是：原始函数代码

```
+++ into iterator: startAddress 0x104184470, isAppCode true
0x104184470 < 16: stp x22, x21, [sp, #0xc0]
0x104184474 < 20: stp x20, x19, [sp, #0xd0]
0x104184478 < 24: stp x29, x30, [sp, #0xe0]
0x10418447c < 28: add x29, sp, #0xe0
0x104184480 < 32: nop
0x104184484 < 36: ldr x8, #0x1041d87d8
0x104184488 < 40: ldr x8, [x8]
0x10418448c < 44: stur x8, [x29, #-0x58]
0x104184490 < 48: mov w26, #0x5a87
0x104184494 < 52: movk w26, #0x6c24, lsl #16
0x104184498 < 56: add x8, x0, #6
0x10418449c < 60: cmp x8, #5
0x1041844a0 < 64: ccmn x0, #8, #4, hs
0x1041844a4 < 68: mov w8, #1
0x1041844a8 < 72: csel w8, wzr, w8, eq
0x1041844ac < 76: mov w11, #0xa5a2
0x1041844b0 < 80: movk w11, #0x93db, lsl #16
0x1041844b4 < 84: cmp x1, #0
0x1041844b8 < 88: cset w9, eq
0x1041844bc < 92: orr w8, w9, w8
0x1041844c0 < 96: add w9, w26, w8
0x1041844c4 < 100: add w9, w9, w11
0x1041844c8 < 104: sub w9, w9, #0x21
0x1041844cc < 108: adr x25, #0x1041a6cb0
0x1041844d0 < 112: nop
0x1041844d4 < 116: ldrsw x9, [x25, w9, sxtw #2]
0x1041844d8 < 120: nop
0x1041844dc < 124: ldr x10, #0x1041dd158
0x1041844e0 < 128: add x9, x9, x10
0x1041844e4 < 132: mov w22, #0xafc9
0x1041844e8 < 136: br x9
+++ into iterator: startAddress 0x1041844ec, isAppCode true
0x1041844ec < 140: mov x23, x1
0x1041844f0 < 144: mov x28, x0
0x1041844f4 < 148: eor w8, w8, #1
0x1041844f8 < 152: sub w9, w11, #0x29
0x1041844fc < 156: madd w22, w8, w9, w26
0x104184500 < 160: mov x20, #0xa930
0x104184504 < 164: movk x20, #0xea59, lsl #16
0x104184508 < 168: movk x20, #0x9bdd, lsl #32
0x10418450c < 172: movk x20, #0xd570, lsl #48
0x104184510 < 176: add w8, w22, #0xb
0x104184514 < 180: adr x24, #0x1041ddfe0
0x104184518 < 184: nop
0x10418451c < 188: ldr x8, [x24, w8, sxtw #3]
0x104184520 < 192: sub x8, x8, #2
0x104184524 < 196: mov w0, #0x18
0x104184528 < 200: str x8, [sp, #0x60]
0x10418452c < 204: blr x8
```

其中触发了 `onReceive`，对应输出的log是：

```

+++ into iterator: startAddress=0x194d31f44, isAppCode=false
+++ into iterator: startAddress=0x102e327ec, isAppCode=true
    0x102e327ec +9100 : mov w8, #0x6beb
    0x102e327f0 +9104 : movk w8, #0x3920, lsl #16
    0x102e327f4 +9108 : add w24, w21, w23
    0x102e327f8 +9112 : str xzr, [x20]
    0x102e327fc +9116 : str w8, [x20, #8]
    0x102e32800 +9120 : mov w8, #0xf28c
    0x102e32804 +9124 : movk w8, #0x3820, lsl #16
    0x102e32808 +9128 : str w8, [x20, #0xc]
    0x102e3280c +9132 : mov x8, #0x77e8
    0x102e32810 +9136 : movk x8, #0xcf06, lsl #16
    0x102e32814 +9140 : movk x8, #0xde0b, lsl #32
    0x102e32818 +9144 : movk x8, #0x20cd, lsl #48
    0x102e3281c +9148 : add x0, x19, x8
    0x102e32820 +9152 : blr x27

+++ into iterator: startAddress=0x194d30564, isAppCode=false
>>> into onReceive: parsedEvents=ret,0x1084e0038,0x1085da104,0,ret,0x1085da134,0x108588
25c,-1,ret,0x108588318,0x1036540b0,-2,ret,0x10365413c,0x10984000c,-3,ret,0x1ddc2abc0,0x
194d2e05c,0,ret,0x194d2fbdc,0x194d2dc74,1,ret,0x194d311c4,0x194d2d830,1,ret,0x194d2d898
,0x194d2e0a0,0,ret,0x1ddc2ac00,0x194d2e374,0,ret,0x194d2e3a8,0x194d31214,-1,ret,0x194d3
12e8,0x194d30478,-2,ret,0x194d304a4,0x102e30530,-3,ret,0x1ddc2abc0,0x194d2cd44,0,ret,0x
194d31894,0x194d2f0a0,1,ret,0x194d31b3c,0x194d2f0c0,1,ret,0x194d2f1ac,0x194d2cd88,0,ret
,0x1ddc2ac00,0x194d2d280,0,ret,0x194d2d2b4,0x194d3123c,-1,ret,0x194d312e8,0x194d30478,-
2,ret,0x194d304a4,0x102e305ac,-3,ret,0x1bd80959c,0x102e244e0,-2,ret,0x1ddc36aec,0x183f7
94d8,0,ret,0x183f77ab0,0x183f7958c,0,ret,0x1bd808ca8,0x1bd809c04,1,ret,0x1bd809c40,0x18
3f795a0,0,ret,0x183f7970c,0x183f795e4,0,ret,0x183f7963c,0x183f7aa34,-1,ret,0x183f7aa98,
0x102e24508,-2,ret,0x1bd808b70,0x1bd809194,-1,ret,0x1bd809240,0x102e24528,-2,ret,0x102e
24630,0x102e315c4,-3,ret,0x1ddc2abc0,0x194d2e05c,0,ret,0x194d311c4,0x194d2d830,1,ret,0x
194d2d898,0x194d2e0a0,0,ret,0x1ddc2ac00,0x194d2e374,0,ret,0x194d2e3a8,0x194d31214,-1,re
t,0x194d312e8,0x194d30478,-2,ret,0x194d304a4,0x102e316b8,-3,ret,0x1ddc2abc0,0x194d2cd44
,0,ret,0x194d31894,0x194d2ef0e4,1,ret,0x194d2f1ac,0x194d2cd88,0,ret,0x1ddc2ac00,0x194d2d
280,0,ret,0x194d2d2b4,0x194d3123c,-1,ret,0x194d312e8,0x194d30478,-2,ret,0x194d304a4,0x1
02e31744,-3,ret,0x1bd808aa4,0x1bd809b78,-2,ret,0x1bd809bb0,0x102e32168,-3,ret,0x194d305
c4,0x194d30a34,-1,ret,0x194d33380,0x194d30a50,-1,ret,0x194d30a1c,0x194d2c188,-2,ret,0x1
ddc2abc0,0x194d31c80,-2,ret,0x194d2c06c,0x194d31dec,-2,ret,0x194d31894,0x194d31e00,-2,r
et,0x194d31b3c,0x194d31eec,-2,ret,0x194d30e90,0x194d31f34,-2,ret,0x1ddc2ac00,0x102e327e
c,-3
+++ into iterator: startAddress=0x194d30584, isAppCode=false
+++ into iterator: startAddress=0x194d30588, isAppCode=false

```

再往后，就是：非原始函数代码，原始函数代码交替输出

而我们此处只关心 原始函数代码，去调试输出即可。

比如最后此刻所调试的 +8516 行的代码

```

+++ into iterator: startAddress=0x1041865a0, isAppCode=true
    0x1041865a0 <- 8512 >: mov w8, #0
    0x1041865a4 <- 8516 >: str x9, [x10]
curOffsetInt=8516
    0x1041865a8 <- 8520 >: b #0x104186740
contextStr={"pc": "0x1041865a4", "sp": "0x16bf46740", "nzcv": 1610612736, "x0": "0x0", "x1": "0x

```

```

104ba0000", "x2": "0xc", "x3": "0x29", "x4": "0x470b", "x5": "0x0", "x6": "0x0", "x7": "0xec0", "x8": "0x0", "x9": "0x3050500", "x10": "0x16bf46838", "x11": "0x6c245a87", "x12": "0x6c245a3d", "x13": "0x1041864dc", "x14": "0x45", "x15": "0x0", "x16": "0xd5709bdf0d7a48f0", "x17": "0x123209fc0", "x18": "0x0", "x19": "0xdf3221f55389ecc8", "x20": "0x1233064b0", "x21": "0x93dba5a2", "x22": "0x0", "x23": "0x39207beb", "x24": "0x6c245a87", "x25": "0x1041a6cb0", "x26": "0x6c245a87", "x27": "0x194d2c100", "x28": "0xfffffffffffffe", "fp": "0x16bf46820", "lr": "0x104186168", "q0": "0", "q1": "0", "q2": "0", "q3": "0", "q4": "0", "q5": "0", "q6": "0", "q7": "0", "q8": "0", "q9": "0", "q10": "0", "q11": "0", "q12": "0", "q13": "0", "q14": "0", "q15": "0", "q16": "0", "q17": "0", "q18": "0", "q19": "0", "q20": "0", "q21": "0", "q22": "0", "q23": "0", "q24": "0", "q25": "0", "q26": "0", "q27": "0", "q28": "0", "q29": "0", "q30": "0", "q31": "0", "d0": 0.5585262685374610e-308, "d1": 0.0000169759663317e-308, "d2": 7.9499288951273454e-275, "d3": 0, "d4": 0, "d5": 0, "d6": 0, "d7": 0, "d8": 0, "d9": 0, "d10": 0, "d11": 0, "d12": 0, "d13": 0, "d14": 0, "d15": 0, "d16": 1.0855813867524649e+251, "d17": 0.000002084565455e-308, "d18": 3.0554698911305689e-152, "d19": 0.000001322084152e-308, "d20": 3.7696966457559071e-175, "d21": 1.000489495531618e+128, "d22": 9.5944260775693913e+225, "d23": -6.8154492514793903e-236, "d24": -2.1930923744387854e+50, "d25": -3.1153191556287330e+141, "d26": -1.0031492505499153e+302, "d27": 3.1584786060327890e-284, "d28": 1.7036104465458726e+239, "d29": -1.1538744009003510e-197, "d30": 2.4944484440662111e-259, "d31": 0, "s0": 1.1035169354619356e-39, "s1": 1.1210387714598533e-44, "s2": 3.8204714345426298e-37, "s3": 0, "s4": 0, "s5": 0, "s6": 0, "s7": 0, "s8": 0, "s9": 0, "s10": 0, "s11": 0, "s12": 0, "s13": 0, "s14": 0, "s15": 0, "s16": 1.5548730664783592e-21, "s17": -1.3084408235578860e+36, "s18": 8.6088756618229034e-23, "s19": -5.408784745233076e-20, "s20": 4.2151578028428229e+37, "s21": 18362722504671230, "s22": 3.372155249992253e+28, "s23": -7.6784630118876258e-30, "s24": -3715189.5, "s25": 2.6426119211413095e+23, "s26": -3.5724724140742379e-23, "s27": 1.6239861190373424e-18, "s28": -205533200, "s29": -0.008124308660626411, "s30": -5.6424941355004989e-36, "s31": 0}
x9Value1 0x3050500, x9Value2 0x3050500

```

输出了我们所希望的值：

- x9 = 0x3050500

即可实现特定的调试目的。

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frida-trace

此处介绍 frida-trace 的实际使用案例，供参考。

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iOS的ObjC

此处介绍用 `frida-trace` 去调试 iOS 的 ObjC 的类和函数的实际案例，供参考。

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akd中Apple账号验证过程

此处去记录 frida-trace 追踪 akd 中Apple账号验证过程：

- 设备：
 - iOS 15.0 的 iPhone8
 - palera1n 的rootful普通越狱

去追踪调试：

- 设置Preferences中，点击登录Apple账号
 - 输入账号，点击下一步

的Apple账号验证过程中，函数调用的过程的结果

frida-trace命令

```
frida-trace -U -n akd -O akdObjcMethods.txt
```

Option文件 akdObjcMethods.txt 内容

```
-m "*[AA* *]"
-m "*[AK* *]"
-m "*[AS* *]"
-m "*[NSXPC* *]"
-M "-[NSXPC*coder *]"
-M "-[NSXPConnection replacementObjectForEncoder:object:]"
```

输出

截图

完整的截图如下：

frida-trace (python)

root@192.168.2.13 (ssh) X1 - (-zsh) X2 2.0 kB↑ ④ 4/13, 09:59

```

20% 10 GB
- [NSXPConnectionManager]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPConnectionManager.js"
- [NSXPStore connectionManager]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPStore/connectionManager.js"
- [NSXPStore dealloc]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPStore/dealloc.js"
- [NSXPStore setIdentifier]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPStore/setIdentifier.js"
Started tracing 645 functions. Press Ctrl+c to stop.
/* TID 0x2ee */
44503 ms - [NSXPListener serviceName]
44503 ms - [NSXPConnection init]
44503 ms - [NSXPConnection delegate]
44503 ms - [NSXPListener delegate]
44503 ms - [AKClient initWithConnection:0x1260b0d0]
44503 ms | -[AKClient initWithConnection:0x1260b0d0 logging:0x16b31a598]
44503 ms | | -[AKClient hasWriteAccess]
44503 ms | | | -[AKClient booValueForEntitlement:0x10503a2b0]
44503 ms | | | -[NSXPConnection valueForEntitlement:0x10503a2b0]
44503 ms | | | -[NSXPConnection auditToken]
44503 ms | | | -[AKClient descriptor]
44503 ms | | | | -[AKClient name]
44503 ms | | | | -[NSXPConnection processIdentifier]
44503 ms | | | | -[NSXPConnection providerIdentifier]
44503 ms | | | | -[NSXPConnection sharedInstance]
44503 ms | | | | -[AKAppleIDAuthenticationService initWithProxy:0x126b1690]
44503 ms | | | | -[AKAppleIDAuthenticationService init]
44503 ms | | | | +[AKAccountManager sharedInstance]
44503 ms | | | | +[AKAuthenticationFrameworkAvailable sharedInstance]
44503 ms | | | | +[AKAuthenticationTrafficController sharedInstance]
44503 ms | | | | +[AKAuthenticationTrafficController surrogateManager]
44503 ms | | | | -[AKAuthenticationTrafficController setSurrogateManager:0x125d1581]
44503 ms | -[NSXPConnection setExportedObject:0x1260b0d0]
44506 ms +[AKAppleIDAuthenticationService XPInterface]
44506 ms -[NSXPConnection setExportedInterface:0x1268141d]
44506 ms +[AKAppleIDAuthenticationClientInterface XPInterface]
44506 ms -[NSXPConnection setExportedObjectInterface:0x12692110]
44506 ms -[NSXPConnection resume]
44506 ms -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x126b0f40 flags:0x21]
44506 ms -[NSXPCoder init]
44506 ms -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a594]
44506 ms -[NSXPCoder dealoc]
44506 ms -[NSXPInterface _methodSignatureForReply:lockOfSelector:0x16b31a594]
44506 ms -[AKAppleIDAuthenticationService fetchULBapFromCache:0x16b31a598 completion:0x16b31a2c0]
44506 ms | +[AKAppleIDAuthenticationService sharedObject:0x12692110]
44506 ms | -[AKAppleIDAuthenticationService initWithProxy:0x126b1690]
44506 ms | | -[AKAppleIDAuthenticationService _cachedULBapForAToSID:0x16b31a0f8]
44506 ms | | -[AKULBapService _cachedULBapForAToSID:0x16b31a0f8]
44506 ms | | -[NSXPInterface _interfaceForArgument:0x0 ofSelector:0x19dd2ca94 reply:0x1]
44506 ms | | -[NSXPCoder init]
44506 ms | | -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
44506 ms | | -[NSXPConnection invalidationHandler]
44506 ms -[NSXPConnection _additionalInvalidationHandler]
44506 ms -[NSXPConnection setInvalidationHandler:0x0]
44506 ms -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
44506 ms -[NSXPConnection setExportedObject:0x12692110]
44506 ms -[AKClient _cxx_destruct]
44506 ms | -[AKClient _cxx_destruct]
44506 ms | -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
44506 ms | | -[NSXPInterface _interfaceForArgument:0x0 ofSelector:0x19dd2ca94 reply:0x1]
44506 ms | | -[NSXPCoder init]
44506 ms | | -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
44506 ms | | -[NSXPConnection invalidationHandler]
44506 ms -[NSXPConnection _additionalInvalidationHandler]
44506 ms -[NSXPConnection setInvalidationHandler:0x0]
44506 ms -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
44506 ms -[NSXPConnection setExportedObject:0x12692110]
44506 ms -[NSXPConnection resume]
44506 ms -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x125d7ef0 flags:0x21]
44506 ms -[NSXPCoder dealoc]
44506 ms -[NSXPInterface _methodSignatureForReply:lockOfSelector:0x16b31a5780]
44506 ms -[AKAppleIDAuthenticationService authenticateWithContext:0x176abff0 completion:0x16b3a5950]
44506 ms | -[AKAppleIDAuthenticationContext _capabilityForUDisplay]
44506 ms | | -[AKAppleIDAuthenticationContext serviceType]
44506 ms | | -[AKClient isPermittedForInteractiveAuthOnLimitedContext]
44506 ms | | | -[AKClient isPermittedProcessNameForInteractiveAuthOnLimitedContext]
44506 ms | | | -[AKClient name]
44506 ms | | -[AKAppleIDAuthenticationContext isContextEligibleForSilentAuthCoercion]
44506 ms | | -[AKAppleIDAuthenticationContext _proxiedAppName]
44506 ms | | -[AKAppleIDAuthenticationContext _proxiedDisplay]
44506 ms | | -[AKAppleIDAuthenticationContext username]
44506 ms | | -[AKAppleIDAuthenticationContext _password]
44506 ms | -[AKAuthenticationTrafficController beginAuthenticationWithContext:0x126a0bf0 client:0x1269481d0 clearanceHandler:0x16b3a5780]
44506 ms /* TID 0x2ee */
44506 ms -[AKClient bundleD]
44506 ms -[NSXPConnection processIdentifier]
44506 ms -[NSXPConnection processIdentifier]
44506 ms -[AKAuthenticationTrafficController initWithCloudPasswordInContext:0x126a0bf0]
44506 ms -[AKAuthenticationTrafficController setClientBundleD:0x126a0bf0]
44506 ms -[AKAuthenticationTrafficController serviceType]
44506 ms | -[AKAppleIDAuthenticationContext serviceType]
44506 ms | | -[AKClient isContextEligibleForSilentAuth]
44506 ms | | -[AKAppleIDAuthenticationContext authenticationType]
44506 ms | | -[AKAppleIDAuthenticationContext showDpromptForPasswordOnly]
44506 ms | | -[AKAppleIDAuthenticationContext showDpromptForEmail]
44506 ms | | -[AKAppleIDAuthenticationContext isUsernamesEnabled]
44506 ms -[AKClient bundleD]
44506 ms -[AKTrafficClearanceRequest setClientBundleD:0x126a19640]
44506 ms -[AKTrafficClearanceRequest setClientBundleD:0x126a0bf0]
44506 ms -[AKTrafficClearanceRequest setClientBundleD:0x126a0bf0]
44506 ms -[AKAuthenticationTrafficController _shouldClearRequest:0x126a0bf0 client:0x1269481d0]
44506 ms | -[AKTrafficClearanceRequest context]
44506 ms /* TID 0x2ee */
44506 ms -[AKClient bundleD]
44506 ms -[NSXPConnection processIdentifier]
44506 ms -[AKAppleIDAuthenticationContext capabilityForUDisplay]
44506 ms -[AKAppleIDAuthenticationContext capabilityForUDisplay]
44506 ms -[AKAuthenticationTrafficController surrogateManager]
44506 ms -[AKAuthenticationTrafficController _progressForClient:0x1269481d0]
44506 ms | -[AKAuthenticationSurrogateManager fetchSurrogateForClient:0x1269481d0]
44506 ms | | -[AKAuthenticationSurrogateManager _inProgressSurrogates]
44506 ms | -[AKAppleIDAuthenticationContext authenticationType]
44506 ms | | -[AKClient activeAppAuths]
44506 ms | | -[AKAuthenticationTrafficController hasActiveAppAuths:0x126816150]
44506 ms | | -[AKAuthenticationTrafficController hasActiveDaemonAuths]
44506 ms | | | -[AKAuthenticationTrafficController _hasValuesInMap:0x126816178]
44506 ms -[AKAuthenticationTrafficController _to_invokeTrafficRequest:0x126a0bf0]
44506 ms -[AKTrafficClearanceRequest clientBundleD]
44506 ms -[AKTrafficClearanceRequest context]
44506 ms -[AKAppleIDAuthenticationContext capabilityForUDisplay]
44506 ms -[AKAppleIDAuthenticationContext _capabilityForUDisplay]
44506 ms -[AKAppleIDAuthenticationService authenticateWithHandlerContext:0x126a0bf0 completion:0x16b31ad40]
44506 ms | -[AKAppleIDAuthenticationContext needsRepair]
44506 ms | | -[AKAppleIDAuthenticationContext needsFederatedIdentityRecovery]
44506 ms | | -[AKAppleIDAuthenticationContext needsTwoFactorAuth]
44506 ms | | -[AKAppleIDAuthenticationContext needsMacAuthAccount]
44506 ms | | -[AKAppleIDAuthenticationContext needsPasswordChange]
44506 ms | | -[AKAppleIDAuthenticationContext needsSecurityUpgradeD]
44506 ms | | -[AKAppleIDAuthenticationContext needsSecurityUpgradeD]
44506 ms | | -[AKAppleIDAuthenticationService interactWithAuthRequestWithContext:0x126a0bf0 completion:0x16b31ad40]
44506 ms | | | -[AKAppleIDAuthenticationService _attemptBiometricOrPasscodeAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
44506 ms | | | -[AKAppleIDAuthenticationService _attemptBiometricOrPasscodeAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
44506 ms | | | | -[AKAppleIDAuthenticationContext capabilityForUDisplay]
44506 ms | | | | -[AKAppleIDAuthenticationContext _capabilityForUDisplay]
44506 ms | | | | -[AKAppleIDAuthenticationContext _isVerifyCredentialReasonEligibleForBiometricOrPasscodeAuth]
44506 ms | | | | -[AKAppleIDAuthenticationContext verifyCredentialReason]
44506 ms | | | | -[AKConfiguration sharedConfiguration]
44506 ms | | | | -[AKConfiguration configurationContentsMode]
44506 ms | | | | -[AKConfiguration configurationValueForKey:0x16a9ffeb]
44506 ms | | | | -[AKAppleIDAuthenticationService _attemptInteractiveAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
44506 ms | | | | -[AKAppleIDAuthenticationContext _shouldSkipInitialReachabilityCheck]
44506 ms /* TID 0x2ee */
44506 ms -[NSXPListener serviceName]
44506 ms -[NSXPConnection init]
44506 ms -[NSXPListener delegate]

```

frida-trace (python)

root@192.168.2.13 (ssh) X1 - (-zsh) X2 2.0 kB↑ ④ 4/13, 09:59

```

56% 10 GB
- [NSXPConnectionManager]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPConnectionManager.js"
- [NSXPStore connectionManager]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPStore/connectionManager.js"
- [NSXPStore dealloc]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPStore/dealloc.js"
- [NSXPStore setIdentifier]: Loaded handler at "/Users/crfan/dev/dev_root/iosReverse/AppleStore/AuthKit_akk/dynamicDebug/frida/scripts/_handlers/_NSXPStore/setIdentifier.js"
Started tracing 645 functions. Press Ctrl+c to stop.
/* TID 0x2ee */
43869 ms - [NSXPListener serviceName]
43870 ms - [NSXPConnection init]
43870 ms - [NSXPListener delegate]
43870 ms - [NSXPListener delegate]
43870 ms - [AKClient initWithConnection:0x126906200]
43870 ms | -[AKClient initWithConnection:0x126906200 logging:0x16b31a598]
43870 ms | | -[AKClient hasWriteAccess]
43870 ms | | | -[AKClient booValueForEntitlement:0x10503a2b0]
43870 ms | | | -[NSXPConnection valueForEntitlement:0x10503a2b0]
43870 ms | | | -[NSXPConnection auditToken]
43870 ms | | | -[AKClient descriptor]
43870 ms | | | | -[AKClient name]
43870 ms | | | | -[NSXPConnection processIdentifier]
43870 ms | | | | -[NSXPConnection providerIdentifier]
43870 ms | | | | -[NSXPConnection sharedInstance]
43870 ms | | | | -[AKAppleIDAuthenticationService initWithProxy:0x126b1690]
43870 ms | | | | -[AKAppleIDAuthenticationService init]
43870 ms | | | | +[AKAccountManager sharedInstance]
43870 ms | | | | +[AKAuthenticationFrameworkAvailable sharedInstance]
43870 ms | | | | +[AKAuthenticationTrafficController sharedInstance]
43870 ms | | | | +[AKAuthenticationTrafficController surrogateManager]
43870 ms | | | | -[AKAuthenticationTrafficController setSurrogateManager:0x125d1581]
43870 ms | -[NSXPConnection setExportedObject:0x1260b0d0]
43870 ms +[AKAppleIDAuthenticationService XPInterface]
43870 ms -[NSXPConnection setExportedInterface:0x1268141d]
43870 ms +[AKAppleIDAuthenticationClientInterface XPInterface]
43870 ms -[NSXPConnection setExportedObjectInterface:0x12692110]
43870 ms -[NSXPConnection resume]
43870 ms -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x126b0f40 flags:0x21]
43870 ms -[NSXPCoder init]
43870 ms -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a594]
43870 ms -[NSXPCoder dealoc]
43870 ms -[NSXPInterface _methodSignatureForReply:lockOfSelector:0x16b31a594]
43870 ms -[AKAppleIDAuthenticationService fetchULBapFromCache:0x16b31a598 completion:0x16b31a2c0]
43870 ms | +[AKAppleIDAuthenticationService sharedObject:0x12692110]
43870 ms | -[AKAppleIDAuthenticationService initWithProxy:0x126b1690]
43870 ms | | -[AKAppleIDAuthenticationService _cachedULBapForAToSID:0x16b31a0f8]
43870 ms | | -[AKULBapService _cachedULBapForAToSID:0x16b31a0f8]
43870 ms | | -[NSXPInterface _interfaceForArgument:0x0 ofSelector:0x19dd2ca94 reply:0x1]
43870 ms | | -[NSXPCoder init]
43870 ms | | -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
43870 ms | | -[NSXPConnection invalidationHandler]
43870 ms -[NSXPConnection _additionalInvalidationHandler]
43870 ms -[NSXPConnection setInvalidationHandler:0x0]
43870 ms -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
43870 ms -[NSXPConnection setExportedObject:0x12692110]
43870 ms -[AKClient _cxx_destruct]
43870 ms | -[AKClient _cxx_destruct]
43870 ms | -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
43870 ms | | -[NSXPInterface _interfaceForArgument:0x0 ofSelector:0x19dd2ca94 reply:0x1]
43870 ms | | -[NSXPCoder init]
43870 ms | | -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
43870 ms | | -[NSXPConnection invalidationHandler]
43870 ms -[NSXPConnection _additionalInvalidationHandler]
43870 ms -[NSXPConnection setInvalidationHandler:0x0]
43870 ms -[NSXPConnection _methodSignatureForReply:lockOfSelector:0x16b31a0f8]
43870 ms -[NSXPConnection setExportedObject:0x12692110]
43870 ms -[NSXPConnection resume]
43870 ms -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x125d7ef0 flags:0x21]
43870 ms -[NSXPCoder dealoc]
43870 ms -[NSXPInterface _methodSignatureForReply:lockOfSelector:0x16b31a5780]
43870 ms -[AKAppleIDAuthenticationService authenticateWithContext:0x176abff0 completion:0x16b3a5950]
43870 ms | -[AKAppleIDAuthenticationContext _capabilityForUDisplay]
43870 ms | | -[AKAppleIDAuthenticationContext serviceType]
43870 ms | | -[AKClient isPermittedForInteractiveAuthOnLimitedContext]
43870 ms | | | -[AKClient isPermittedProcessNameForInteractiveAuthOnLimitedContext]
43870 ms | | | -[AKClient name]
43870 ms | | -[AKAppleIDAuthenticationContext isContextEligibleForSilentAuthCoercion]
43870 ms | | -[AKAppleIDAuthenticationContext _proxiedAppName]
43870 ms | | -[AKAppleIDAuthenticationContext _proxiedDisplay]
43870 ms | | -[AKAppleIDAuthenticationContext username]
43870 ms | | -[AKAppleIDAuthenticationContext _password]
43870 ms | -[AKAuthenticationTrafficController beginAuthenticationWithContext:0x126a0bf0 client:0x1269481d0 clearanceHandler:0x16b3a5780]
43870 ms /* TID 0x2ee */
43870 ms -[AKClient bundleD]
43870 ms -[NSXPConnection processIdentifier]
43870 ms -[NSXPConnection processIdentifier]
43870 ms -[AKAuthenticationTrafficController initWithCloudPasswordInContext:0x126a0bf0]
43870 ms -[AKAuthenticationTrafficController setClientBundleD:0x126a0bf0]
43870 ms -[AKAuthenticationTrafficController serviceType]
43870 ms | -[AKAppleIDAuthenticationContext serviceType]
43870 ms | | -[AKClient isContextEligibleForSilentAuth]
43870 ms | | -[AKAppleIDAuthenticationContext authenticationType]
43870 ms | | -[AKAppleIDAuthenticationContext showDpromptForPasswordOnly]
43870 ms | | -[AKAppleIDAuthenticationContext showDpromptForEmail]
43870 ms | | -[AKAppleIDAuthenticationContext isUsernamesEnabled]
43870 ms -[AKClient bundleD]
43870 ms -[AKTrafficClearanceRequest setClientBundleD:0x126a19640]
43870 ms -[AKTrafficClearanceRequest setClientBundleD:0x126a0bf0]
43870 ms -[AKTrafficClearanceRequest setClientBundleD:0x126a0bf0]
43870 ms -[AKAuthenticationTrafficController _shouldClearRequest:0x126a0bf0 client:0x1269481d0]
43870 ms | -[AKTrafficClearanceRequest context]
43870 ms /* TID 0x2ee */
43870 ms -[AKClient bundleD]
43870 ms -[NSXPConnection processIdentifier]
43870 ms -[AKAppleIDAuthenticationContext capabilityForUDisplay]
43870 ms -[AKAppleIDAuthenticationContext capabilityForUDisplay]
43870 ms -[AKAuthenticationTrafficController surrogateManager]
43870 ms -[AKAuthenticationTrafficController _progressForClient:0x1269481d0]
43870 ms | -[AKAuthenticationSurrogateManager fetchSurrogateForClient:0x1269481d0]
43870 ms | | -[AKAuthenticationSurrogateManager _inProgressSurrogates]
43870 ms | -[AKAppleIDAuthenticationContext authenticationType]
43870 ms | | -[AKClient activeAppAuths]
43870 ms | | -[AKAuthenticationTrafficController hasActiveAppAuths:0x126816150]
43870 ms | | -[AKAuthenticationTrafficController hasActiveDaemonAuths]
43870 ms | | | -[AKAuthenticationTrafficController _hasValuesInMap:0x126816178]
43870 ms -[AKAuthenticationTrafficController _to_invokeTrafficRequest:0x126a0bf0]
43870 ms -[AKTrafficClearanceRequest clientBundleD]
43870 ms -[AKTrafficClearanceRequest context]
43870 ms -[AKAppleIDAuthenticationContext capabilityForUDisplay]
43870 ms -[AKAppleIDAuthenticationContext _capabilityForUDisplay]
43870 ms -[AKAppleIDAuthenticationService authenticateWithHandlerContext:0x126a0bf0 completion:0x16b31ad40]
43870 ms | -[AKAppleIDAuthenticationContext needsRepair]
43870 ms | | -[AKAppleIDAuthenticationContext needsFederatedIdentityRecovery]
43870 ms | | -[AKAppleIDAuthenticationContext needsTwoFactorAuth]
43870 ms | | -[AKAppleIDAuthenticationContext needsMacAuthAccount]
43870 ms | | -[AKAppleIDAuthenticationContext needsPasswordChange]
43870 ms | | -[AKAppleIDAuthenticationContext needsSecurityUpgradeD]
43870 ms | | -[AKAppleIDAuthenticationContext needsSecurityUpgradeD]
43870 ms | | -[AKAppleIDAuthenticationService _attemptBiometricOrPasscodeAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
43870 ms | | -[AKAppleIDAuthenticationService _attemptBiometricOrPasscodeAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
43870 ms | | | -[AKAppleIDAuthenticationContext capabilityForUDisplay]
43870 ms | | | -[AKAppleIDAuthenticationContext _capabilityForUDisplay]
43870 ms | | | -[AKAppleIDAuthenticationContext _isVerifyCredentialReasonEligibleForBiometricOrPasscodeAuth]
43870 ms | | | -[AKAppleIDAuthenticationContext verifyCredentialReason]
43870 ms | | | -[AKConfiguration sharedConfiguration]
43870 ms | | | -[AKConfiguration configurationContentsMode]
43870 ms | | | -[AKConfiguration configurationValueForKey:0x16a9ffeb]
43870 ms | | | -[AKAppleIDAuthenticationService _attemptInteractiveAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
43870 ms | | | -[AKAppleIDAuthenticationContext _shouldSkipInitialReachabilityCheck]
43870 ms /* TID 0x2ee */
43870 ms -[NSXPListener serviceName]
43870 ms -[NSXPConnection init]
43870 ms -[NSXPListener delegate]

```

frida-trace (python)

root@192.168.2.13 (ssh) X1 - (-zsh) X2 2.0 kB↑ ④ 4/13, 10:00

```

40% 10 GB
- [AKTrafficClearanceRequest context]
- [AKAppleIDAuthenticationContext capabilityForUDisplay]
- [AKAppleIDAuthenticationContext capabilityForUDisplay]
- [AKAuthenticationTrafficController surrogateManager]
- [AKAuthenticationTrafficController _progressForClient:0x1269481d0]
- [AKAuthenticationTrafficController fetchSurrogateForClient:0x1269481d0]
- [AKAuthenticationSurrogateManager _inProgressSurrogates]
- [AKAppleIDAuthenticationContext authenticationType]
- [AKClient activeAppAuths]
- [AKAuthenticationTrafficController hasActiveAppAuths:0x126816150]
- [AKAuthenticationTrafficController hasActiveDaemonAuths]
- [AKAuthenticationTrafficController _hasValuesInMap:0x126816178]
- [AKAuthenticationTrafficController _to_invokeTrafficRequest:0x126a0bf0]
- [AKTrafficClearanceRequest clientBundleD]
- [AKTrafficClearanceRequest context]
- [AKAppleIDAuthenticationContext capabilityForUDisplay]
- [AKAppleIDAuthenticationContext _capabilityForUDisplay]
- [AKAppleIDAuthenticationService authenticateWithHandlerContext:0x126a0bf0 completion:0x16b31ad40]
- [AKAppleIDAuthenticationContext needsRepair]
- [AKAppleIDAuthenticationContext needsFederatedIdentityRecovery]
- [AKAppleIDAuthenticationContext needsTwoFactorAuth]
- [AKAppleIDAuthenticationContext needsMacAuthAccount]
- [AKAppleIDAuthenticationContext needsPasswordChange]
- [AKAppleIDAuthenticationContext needsSecurityUpgradeD]
- [AKAppleIDAuthenticationContext needsSecurityUpgradeD]
- [AKAppleIDAuthenticationService _attemptBiometricOrPasscodeAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
- [AKAppleIDAuthenticationService _attemptBiometricOrPasscodeAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
- [AKAppleIDAuthenticationContext capabilityForUDisplay]
- [AKAppleIDAuthenticationContext _capabilityForUDisplay]
- [AKAppleIDAuthenticationContext _isVerifyCredentialReasonEligibleForBiometricOrPasscodeAuth]
- [AKAppleIDAuthenticationContext verifyCredentialReason]
- [AKConfiguration sharedConfiguration]
- [AKConfiguration configurationContentsMode]
- [AKConfiguration configurationValueForKey:0x16a9ffeb]
- [AKAppleIDAuthenticationService _attemptInteractiveAuthWithContext:0x126a0bf0 completion:0x16b31ad40]
- [AKAppleIDAuthenticationContext _shouldSkipInitialReachabilityCheck]
/* TID 0x2ee */
- [NSXPListener serviceName]
- [NSXPConnection init]
- [NSXPListener delegate]

```

```
83889 ms /*-[NSURLConnection delegate] */
83889 ms | -[AKDaemonConnectionManager listener:0x126907508 shouldAcceptNewConnection:0x126a10468]
83889 ms | | -[AKClient initWithConnection:0x126a10460]
83889 ms | -[AKDaemonConnectionManager shouldAllowClient:0x126a0c800 logging:0x16b3a5998]
83889 ms | | -[AKClient _boolValueForEntitlement:0x10503a2b0]
83889 ms | | | -INSXPConnection valueForEntitlement:0x10503a2b0
83889 ms | | | -INSXPConnection auditToken]
83889 ms /* TID 0x2767 */
83889 ms | | | -[AKAppleIDAuthenticationService_performInteractiveAuthWithContext:0x126a0bf00 completion:0x16b31a4d0]
83889 ms | | | -[AKAppleIDAuthenticationService_refreshMultiMetadataWithContext:0x126a0bf00 completion:0x16b31a3b8]
83889 ms | | | -[AKAppleIDAuthenticationService_refreshLocalAccountAndUpdateContext:0x126a0bf00 completion:0x16b31a4ac8]
83889 ms | | | -[AKAppleIDAuthenticationService_updateContext:0x126a0bf00 completion:0x16b31a4d0]
83889 ms | | | -[AKAppleIDAuthenticationContext alDS0D]
83889 ms | | | -[AKAppleIDAuthenticationContext DS0D]
83889 ms | | | -[AKAppleIDAuthenticationContext altDS0D]
83889 ms | | | -[AKAppleIDAuthenticationContext sharedController]
83889 ms | | | -[AKAppleIDAuthenticationContext needsNewAppleID]
83889 ms | | | -[AKAppleIDAuthenticationContext needsNewChildAccount]
83889 ms | | | -[AKAppleIDAuthenticationContext needsCredentialRecovery]
83889 ms | | | -[AKAppleIDAuthenticationContext needsEmailAddressOrPhoneChange]
83889 ms | | | -[AKAppleIDAuthenticationContext username]
83889 ms | | | -[AKAppleIDAuthenticationContext authenticationType]
83889 ms | | | -[AKAppleIDAuthenticationContext needsTwoFactorAuthentication:0x0]
83889 ms | | | -[AKAppleIDAuthenticationContext altDS0D]
83889 ms | | | -[AKAppleIDAuthenticationContext DS0D]
83889 ms | | | -[AKAppleIDAuthenticationContext username]
83889 ms | | +[AKAccountManager sharedInstance]
83889 ms | | | -[AKAccountManager accountWithAppleID:0x126a053b0]
83889 ms | | | -[AKAccountManager sharedAccountWithAppleID:0x126a053b0]
83889 ms | | | -[AKAccountManager authKitAccountType]
83889 ms | | | -INSXPConnection initWithMachineServiceName:0x10effff108 options:0x0]
83889 ms | | | +[UCTrackedPConnection init]
83889 ms | | | | -[NSXConnection init]
83891 ms /* TID 0x2ee7 */
83891 ms | | | -[AKClient description]
83891 ms | | | -[AKClient name]
83891 ms | | | -INSXPConnection processIdentifier]
83892 ms /* TID 0x2767 */
83892 ms | | | -INSXPConnection setRemoteObjectInterface:0x125e0f350]
83892 ms /* TID 0x2ee7 */
83892 ms | | | -INSXPConnectionInterface interfaceWithProtocol:0x1f9747d58]
83892 ms | | -[AKAnissetteProvdingService initWithClient:0x126a0c890]
83892 ms /* TID 0x2767 */
83892 ms | | | -INSXPConnectionInterface sharedSigner]
83892 ms /* TID 0x2ee7 */
83892 ms | | | -INSXPConnectionInterface init]
83892 ms | | -[AKAttestationSigner sharedSigner]
83892 ms | | -INSXPConnection setExportedObject:0x126a212f0]
83892 ms /* TID 0x2767 */
83892 ms | | | -INSXPConnectionInterface setProtocol:0x1f9747d58]
83892 ms | | +[AKAnissetteProvdingServiceInterface xPCInterface]
83892 ms | | -INSXPConnection setExportedInterface:0x125d16460]
83892 ms /* TID 0x2767 */
83892 ms | | | -INSXPConnection setExportedInterface:0x126b10170]
83892 ms | | | -INSXPConnection setExportedObject:0x126b159f0]
83892 ms /* TID 0x2ee7 */
83892 ms | | +[AKAnissetteProvdingClientInterface xPCInterface]
83892 ms | | -INSXPConnection setRemoteObjectInterface:0x125d16a50]
83892 ms /* TID 0x2767 */
83892 ms | | | -INSXPConnection resume]
83892 ms | | | -INSXPConnection setInterruptHandler:0x16b31a2b0]
83892 ms | | | -INSXPConnection setInvalidationHandler:0x16b31a2b0]
83892 ms | | | -INSXPConnection resume]
83893 ms /* TID 0x2ee7 */
83893 ms | | -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x126212128 flags:0x1]
83893 ms | | -INSXPConnection init]
83893 ms | | -INSXPConnection _selectorIsAllowed:0x19d37a17a isReply:0x0 methodSignature:0x16b3a60d0 allowedClasses:0x16b3a60d0]
83893 ms | | -INSXPCodec dealoc]
83893 ms | | -INSXPConnectionInterface _methodSignatureForReplyByBlockSelector:0x19d37a17a]
83893 ms | | -[AKAnissetteProvdingService fetchAnissetteObjectAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b3a62a0]
83893 ms | | | -[AKClient hasInternalPrivateEntitlementAccess]
83894 ms /* TID 0x2767 */
83894 ms | | | -[AKClient hasInternalPrivateEntitlementAccess]
83894 ms /* TID 0x2ee7 */
83894 ms | | | -INSXPConnection synchronousRemoteObjectProxyWithErrorHandler:0x16b31a410]
83894 ms | | | -INSXPConnection _remoteObjectInterfaceClass]
83894 ms | | | -INSXPConnectionInterface customSublass]
83894 ms /* TID 0x2ee7 */
83894 ms | | | -[AKClient hasInternalAccess]
83894 ms | | | -[AKClient hasHomeAccess]
83894 ms | | | -[AKClient _boolValueForEntitlement:0x10503a290]
83894 ms /* TID 0x2767 */
83894 ms | | | -INSXPConnectionInterface _methodSignatureForRemoteSelector:0x19cef453]
83894 ms | | | -INSXPConnection sendInvocation:0x16b31a3c0 arguments:0x0 count:0x0 methodSignature:0x9d85aaef9fffdaff selector:0x19cef453 withProxy:0x16b317cd0]
83894 ms | | | -INSXPConnectionInterface _interfaceForArgument:0x0 selector:0x19cef453 reply:0x0]
83894 ms /* TID 0x2ee7 */
83894 ms | | | -INSXPConnection valueForEntitlement:0x10503a290]
83894 ms /* TID 0x2767 */
83894 ms | | | -INSXPConnection auditToken]
83895 ms /* TID 0x2ee7 */
83895 ms | | | -INSXPCodec init]
83895 ms | | | -INSXPCodec dealoc]
83895 ms /* TID 0x2767 */
83895 ms | | | -INSXPConnectionInterface hasProxiesInReplyToBlockArgumentsOfSelector:0x19cef453]
83897 ms /* TID 0x2ee7 */
83897 ms | | | -[AKClient _boolValueForEntitlement:0x10503a270]
83897 ms | | | -INSXPConnection valueForEntitlement:0x10503a270]
83897 ms | | | -INSXPConnection connection auditToken]
83897 ms | | | -[AKAnissetteProvdingService fetchAnissetteObjectAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b3a62a0]
83897 ms | | | -[AKAnissetteProvdingService_helperServiceForDevice:0x0]
83897 ms | | | -[AKAnissetteProvdingService_nativeAnissetteService]
83897 ms | | | -[ANativeAnissetteService initWithClient:0x126a0c990]
83897 ms | | +[ANativeAnissetteService fetchAnissetteDataAndProvisionIfNecessary:0x1 withCompletion:0x16b3a62a0]
83897 ms | | -[AKURIBag bagForAltSID:0x0]
83897 ms | | | -[AKURIBag sharedBag]
83897 ms | | -[AKURIBag lastKnownIDMEnvironment]
83897 ms | | -[AKConfiguration lastKnownIDMConfiguration]
83897 ms | | -[AKConfiguration lastKnownIDESEnvironment]
83897 ms | | -[AKConfiguration configurationValueForKey:0x1ea6f0118]
83898 ms | | +[ANativeAnissetteService activeAnissetteDataWithIDMEnvironment:0x16b3a62a0]
83898 ms | | -[ANativeAnissetteService _unsafe_anissetteDataWithIDMEnvironment:0x16b3a62a0]
83898 ms | | -[AKURIBag proxy getIDMRoutingInfo:0x1268a0d38]
83898 ms /* TID 0x2767 */
83898 ms | | | -INSXPConnection _decodeAndInvokeReplayBlockWithEvent:0x126a21230 sequence:0x1 replyInfo:0x126b05970]
83898 ms | | | -INSXPCodec init]
83898 ms | | | -INSXPConnectionInterface _selectorIsAllowed:0x19cef453 isReply:0x1 methodSignature:0x16b319260 allowedClasses:0x16b319268]
83898 ms | | | -INSXPCodec dealoc]
83898 ms | | | -[AKAccountManager shouldUpdateAuthForAccount:0x126a02e20]
83898 ms | | | -[AKAppleIDAuthenticationService _refreshMultiModeForContext:0x126a0bf00 completion:0x16b31a498]
83898 ms | | | -[AKAppleIDAuthenticationService _refreshMultiModeForContext:0x126a0bf00 completion:0x16b31a498]
83898 ms | | | -[AKAppleIDAuthenticationContext sharedController]
83898 ms | | | -[AKClient hasInternalPrivateEntitlementAccess]
83898 ms | | | -[AKClient hasInternalEntitlementAccess]
83898 ms | | | -[AKClient hasHomeAccess]
83898 ms | | | -[AKClient hasUserAccess]
83898 ms | | | -[AKClient _boolValueForEntitlement:0x10503a290]
83898 ms | | | -INSXPConnection valueForEntitlement:0x10503a290]
83898 ms | | | -INSXPConnection auditToken]
83898 ms /* TID 0x2ee7 */
83898 ms | | | -[ANativeAnissetteService _unsafe_anissetteDataForSID:0xfffffffffffff0 withError:0x16b3a68a8]
83898 ms /* TID 0x2767 */
83898 ms | | | +[AKURIBagInfoController sharedController]
```


frida-trace (python)

```

83938 ms | +[AKDevice currentDevice]
83938 ms | -[AKDevice localUserUUID]
83938 ms | +[AKConfiguration sharedConfiguration]
83938 ms | | -[AKConfiguration configurationValueForKey:0x1ea6efff8]
83938 ms | | -[AKConfiguration configurationValueForKey:0x1ea6efff8]
83938 ms | -[AKAppleSession pairedDeviceAnisetteController]
83938 ms -[AKAnisetteData .cxx_destruct]
83938 ms -[NSXPDecoder dealoc]
83938 ms | +[NSXPConnection setAdditionalValidationHandler]
83937 ms | -[NSXPConnection additionalValidationHandler]
83937 ms -[NSXPConnection setInvalidateHandler:@0x0]
83937 ms -[NSXPConnection setInterruptHandler:@0x0]
83937 ms -[NSXPConnection setPortedObject:@0x0]
83937 ms | -[AKAnisetteProvisioningService .cxx_destruct]
83937 ms | | -[AKNativeAnisetteService .cxx_destruct]
83938 ms | -[AKClient .cxx_destruct]
83938 ms | +[NSXPConnection basic]
83942 ms | -[NSXPClient setDelegate]
83942 ms -[NSXPConnection init]
83942 ms -[NSXPClient delegate]
83943 ms -[AKDaemonConnectionManager listener:0x126997500 shouldAcceptNewConnection:0x125e33170]
83943 ms | -[AKClient initWithConnection:0x125e33170]
83943 ms | -[AKDaemonConnectionManager shouldAllowClient:0x125e2b900 logging:0x16b31a598]
83943 ms | -[AKClient hasWriteAccess]
83943 ms | | -[AKClient valueForEntitlement:0x053a2b0]
83943 ms | | | -[NSXPConnection valueForEntitlement:0x10503a2b0]
83943 ms | | | -[NSXPConnection auditToken]
83947 ms | -[AKClient description]
83947 ms | | -[NSXPConnection processIdentifier]
83947 ms | | -[NSXPConnection processIdentifier]
83947 ms -[AKAnisetteProvisioningService initWithClient:0x125e2b900]
83947 ms | +[AKAnisetteSigner sharedSigner]
83947 ms | | -[AKClient hasPrivateAccess]
83948 ms | | -[NSXPConnection setExportedObject:0x16889c0]
83948 ms +[AKAnisetteProvisioningDaemon XPCInterface]
83948 ms -[NSXPConnection setExportedInterface:@0x125d164a]
83948 ms +[AKAnisetteProvisioningClient XPCInterface]
83948 ms -[NSXPConnection setImportedObjectInterface:0x125d164a]
83948 ms -[NSXPConnection resume]
83949 ms -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x1268b05c0 flags:0x21]
83949 ms -[NSXPConnection _methodSignatureForReply:@0x19d37a17a]
83949 ms -[NSXPInterface _methodSignatureForReply:@0x19d37a17a]
83949 ms -[AKAnisetteData _methodSignatureForReply:@0x19d37a17a]
83949 ms | -[AKClient hasNecessaryPrivateAccess]
83949 ms | | -[AKClient hasInternalPrivateAccess]
83949 ms | | -[AKClient hasInternalAccess]
83949 ms | | -[AKClient hasOwnerAccess]
83949 ms | | -[AKClient hasOwnerPrivateAccess]
83949 ms | | -[NSXPConnection valueForEntitlement:0x10503a290]
83949 ms | | | -[NSXPConnection auditToken]
83952 ms | -[AKClient _boolValueForEntitlement:@0x10503a270]
83952 ms | | -[NSXPConnection valueForEntitlement:0x10503a270]
83952 ms | | | -[NSXPConnection auditToken]
83953 ms -[AKAnisetteProvisioningService fetchAnisetteDataAndProvideIfNecessary:0x1 device:0x0 completion:0x16b31a2a0]
83953 ms | -[AKAnisetteProvisioningService _helperServiceForDevice:@0x0]
83953 ms | | -[AKAnisetteProvisioningService _nativeAnisetteService]
83953 ms | | | -[AKNativeAnisetteService initWithClient:0x125e2b900]
83953 ms | | | -[AKNativeAnisetteService fetchAnisetteDataAndProvideIfNecessary:0x1 withCompletion:0x16b31a2a0]

```

frida-trace (python)

```

84353 ms | +[ANativeAnisetteService fetchAnisetteDataAndProvideIfNecessary:0x1 withCompletion:0x16b31a2a0]
84353 ms | | -[ANativeAnisetteService lastKnownActiveAnisetteOSID]
84353 ms | | +[AKURLBag initWithURL:@0x0]
84353 ms | | | -[AKURLBag sharedBag]
84353 ms | | | +[AKURLBag lastKnownIDMSEnvironment]
84353 ms | | | | -[AKConfiguration sharedConfiguration]
84353 ms | | | | -[AKConfiguration configurationValueForKey:0x1ea6f0118]
84353 ms | | | | -[AKConfiguration configurationValueForKey:0x1ea6f0118]
84353 ms +[ANativeAnisetteService activeAnisetteOSIDWithEnvironment:@0x0]
84353 ms -[ANativeAnisetteService _unsafe_anisetteDataWithRoutingInfo:@0x10503a290]
84353 ms | +[AKODIPProxy requestOTPForOSID:@0xffffffffffff withError:0x16b31a8a0]
84353 ms | | -[AKODIPProxy dispose:@0x125d325e]
84353 ms | | +[AKODIPProxy dispose:@0x125d2940]
84353 ms | | -[AKODIPProxy dispose:@0x125d2940]
84353 ms | | -[AKAnisetteData setOneTimePassword:@0x125e2c070]
84353 ms | -[AKAnisetteData setRoutingInfo:@0x3050050]
84353 ms -[NSXPInterface interfaceForArgument:@0x3050050]
84353 ms -[NSXPDecoder dealoc]
84353 ms | -[AKAnisetteData encodeWithCoder:@0x27819000]
84355 ms -[NSXPConnection _methodSignatureForReply:@0x19d37a17a reply:@0x1]
84355 ms | -[AKClient _boolValueForEntitlement:@0x10503a290]
84355 ms | | -[AKAnisetteSigner sharedSigner]
84355 ms | | +[AKAnisetteSigner isValid]
84355 ms | | | -[AKCertificateBinding isValidCertificate:@0x126949858 forHostname:@0x12694a840]
84687 ms -[NSXPConnection invalidationHandler]
84687 ms -[NSXPConnection _additionalInvalidationHandler]
84688 ms -[NSXPConnection getPortedObjectHandler:@0x0]
84688 ms -[NSXPConnection setPortedObject:@0x0]
84688 ms | -[AKAnisetteProvisioningService .cxx_destruct]
84688 ms | | -[AKNativeAnisetteService .cxx_destruct]
84689 ms /* TID 0xdead */
84689 ms -[NSXPClient serviceName]
84689 ms -[NSXPConnection init]
84689 ms -[NSXPClient delegate]
84689 ms -[NSXPClient setDelegate]
84689 ms -[AKDaemonConnectionManager listener:0x126997500 shouldAcceptNewConnection:0x126a04b30]
84689 ms | -[AKClient initWithConnections:@0x126a04b30]
84689 ms | -[AKDaemonConnectionManager shouldAllowClient:0x126a10290 logging:0x16b432958]
84689 ms | | -[AKClient _boolValueForEntitlement:@0x10503a2b0]
84689 ms | | | -[NSXPConnection valueForEntitlement:0x10503a2b0]
84689 ms | | | -[NSXPConnection auditToken]
84689 ms | -[AKClient description]
84689 ms | | -[NSXPConnection processIdentifier]
84689 ms | | -[NSXPConnection processIdentifier]
84689 ms -[AKAnisetteProvisioningService initWithClient:0x126a10290]
84689 ms | +[AKAnisetteSigner sharedSigner]
84689 ms | | -[AKClient _boolValueForEntitlement:@0x126a0f60]
84689 ms | | +[NSXPConnection setExportedObject:@0x126a0f60]
84689 ms +[AKAnisetteProvisioningDaemon XPCInterface]
84689 ms -[NSXPConnection setImportedObjectInterface:@0x125d164a]
84689 ms -[AKAnisetteProvisioningClient XPCInterface]
84689 ms -[NSXPConnection setImportedObjectInterface:0x125d164a]
84689 ms -[NSXPConnection resume]
84690 ms -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x126a0c780 flags:0x21]
84691 ms -[NSXPDecoder init]
84691 ms -[NSXPInterface _selectorIsAllowed:@0x19d37a17a isReply:@0x0 methodSignature:0x16b4320d0 allowedClasses:0x16b4320d0]
84691 ms -[NSXPDecoder dealoc]

```



```

root@192.168.2.13 (ssh) - 10 GB - (-zsh) 13 kB↑ 4/13, 10:02
84873 ms | -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19d20bd88 reply:0x0]
84873 ms | /* TID 0x2767 */
84873 ms | | -[AKAnisetteProvisioningController dealloc]
84874 ms | | | -[NSXPCConnection invalidate]
84874 ms | /* TID 0xa0a0 */
84874 ms | | -[AKAppleIDAuthenticationContext encodeWithCoder:0x12701d000]
84874 ms | /* TID 0x2767 */
84874 ms | | -[AKAnisetteProvisioningController .cxx_destruct]
84874 ms | -[NSXPCConnection invalidateHandler]
84874 ms | -[NSXPCConnection _additionalValidationHandler]
84874 ms | | -[NSXPCConnection setValidationHandler:0x0]
84874 ms | | | + TID 0x9e31
84874 ms | -[NSXPCConnection invalidationHandler]
84874 ms | /* TID 0x2ee3 */
84875 ms | -[NSXPCConnection setInterruptionHandler:0x0]
84875 ms | | + TID 0x9e31
84875 ms | -[NSXPCConnection _additionalValidationHandler]
84875 ms | | + TID 0xa0a0
84875 ms | | | -[NSXPCCoder dealloc]
84875 ms | -[NSXPCConnection setValidationHandler:0x0]
84876 ms | -[NSXPCConnection setInterruptionHandler:0x0]
84876 ms | | + TID 0x9e31
84876 ms | -[NSXPCConnection setExportedObject:0x0]
84876 ms | | + TID 0x9e31
84876 ms | -[NSXPCInterface _hasProxiesInReply:0x19d20bd88]
84876 ms | /* TID 0x2767 */
84876 ms | -[IMServiceControllerImpl .cxx_destruct]
84876 ms | | -[IMServiceRequestProviderImpl .cxx_destruct]
84876 ms | | + TID 0x9e31
84876 ms | -[NSXPCConnection dealloc]
84877 ms | /* TID 0x2ee3 */
84877 ms | -[NSXPCConnection setExportedObject:0xct:0x0]
84877 ms | | -[IMNativeAnisetteService .cxx_destruct]
84877 ms | | | + TID 0x9e31
84877 ms | -[IMClient .cxx_destruct]
84877 ms | -[NSXPCConnection dealloc]
84877 ms | | + TID 0x9e31
84877 ms | -[NSXPCConnection invalidationHandler]
84877 ms | -[NSXPCConnection _additionalValidationHandler]
84877 ms | -[NSXPCConnection setValidationHandler:0x0]
84877 ms | -[NSXPCConnection setInterruptionHandler:0x0]
84877 ms | | -[NSXPCConnection setExportedObject:0x0]
84877 ms | | | -[AKAnisetteProvisioningService .cxx_destruct]
84877 ms | | | | -[IMNativeAnisetteService .cxx_destruct]
84877 ms | | | | -[IMClient .cxx_destruct]
84877 ms | -[NSXPCConnection dealloc]
84877 ms | | + TID 0x9e31
114740 ms | -[NSXPCConnection invalidate]
114740 ms | /* TID 0x2ee3 */
114740 ms | -[NSXPCConnection invalidationHandler]
114740 ms | -[NSXPCConnection _additionalValidationHandler]
114740 ms | -[NSXPCConnection setValidationHandler:0x0]
114740 ms | -[NSXPCConnection setInterruptionHandler:0x0]
114740 ms | | -[NSXPCConnection setExportedObject:0x0]
114740 ms | | | -[ACTrackedNSXPCConnection dealloc]
114740 ms | | | | -[NSXPCConnection dealloc]
114740 ms | | | | + TID 0x103
284946 ms | -[AKAppleIDPushHelperService connection:0x12690fc20 didChangeConnectedStatus:0x0]
2053160 ms | -[AKAppleIDPushHelperService connection:0x12690fc20 didChangeConnectedStatus:0x1]

```

log日志

```

...
-[NSXPCStore dealloc]: Loaded handler at "/Users/crifan/dev/dev_root/iosReverse/AppleStore/AuthKit_akd/dynamicDebug/frida/scripts/_handlers__/_NSXPCStore/dealloc.js"
-[NSXPCStore setIdentifier:]: Loaded handler at "/Users/crifan/dev/dev_root/iosReverse/AppleStore/AuthKit_akd/dynamicDebug/frida/scripts/_handlers__/_NSXPCStore setIdentifier_.js"
Started tracing 6145 functions. Press Ctrl+C to stop.

```

```

/* TID 0x2ee3 */
44503 ms -[NSXPCLListener serviceName]
44503 ms -[NSXPCConnection init]
44503 ms -[NSXPCLListener delegate]
44503 ms -[NSXPCLListener delegate]
44503 ms -[AKDaemonConnectionManager listener:0x126906200 shouldAcceptNewConnection:0x126b0da50]
44503 ms | -[AKClient initWithConnection:0x126b0da50]
44503 ms | -[AKDaemonConnectionManager shouldAllowClient:0x126b05640 logging:0x16b31a598]
44503 ms | | -[AKClient hasWriteAccess]
44503 ms | | | -[AKClient _boolValueForEntitlement:0x10503a2b0]
44503 ms | | | | -[NSXPCConnection valueForEntitlement:0x10503a2b0]
44503 ms | | | | -[NSXPCConnection auditToken]
44505 ms | | -[AKClient description]
44505 ms | | | -[AKClient name]
44505 ms | | | | -[NSXPCConnection processIdentifier]
44505 ms | | | | -[NSXPCConnection processIdentifier]
44505 ms | -[AKAppleIDAuthenticationService initWithClient:0x126b05640]
44505 ms | | -[AKAppleIDAuthenticationService initWithProxy:0x126b16890]
44505 ms | | | -[AKAppleIDAuthenticationService init]
44505 ms | | | | +[AKAccountManager sharedInstance]

```

```

44505 ms | | | | | +[AKAccountManager isAccountsFrameworkAvailable]
44505 ms | | | | | +[AKAuthenticationUILiaison sharedInstance]
44505 ms | | | | | +[AKAuthenticationTrafficController sharedInstance]
44505 ms | | | | | -[AKAuthenticationUILiaison surrogateManager]
44505 ms | | | | | -[AKAuthenticationTrafficController setSurrogateManager:
0x125d15810]
44506 ms | | | | | -[NSXPCCConnection setExportedObject:0x126b0fa00]
44506 ms | | | | | +[AKAppleIDAuthenticationDaemonInterface XPCInterface]
44506 ms | | | | | -[NSXPCCConnection setExportedInterface:0x1268141a0]
44506 ms | | | | | +[AKAppleIDAuthenticationClientInterface XPCInterface]
44506 ms | | | | | -[NSXPCCConnection setRemoteObjectInterface:0x1269121f0]
44506 ms | | | | | -[NSXPCCConnection resume]
44506 ms | | | | | -[NSXPCCConnection _decodeAndInvokeMessageWithEvent:0x126b0fa40 flags:0x21]
44506 ms | | | | | | -[NSXPCCoder init]
44506 ms | | | | | | -[NSXPCInterface _selectorIsAllowed:0x19dd2ca94 isReply:0x0 methodSignature:0x16b31a0f0 allowedClasses:0x16b31a0f8]
44506 ms | | | | | | -[NSXPCCoder dealloc]
44506 ms | | | | | | -[NSXPCInterface _methodSignatureForReplyBlockOfSelector:0x19dd2ca94]
44506 ms | | | | | | -[AKAppleIDAuthenticationService fetchURLBagFromCache:0x0 altDSID:0x0 completion:0x16b31a2c0]
44506 ms | | | | | | | +[AKURLBagService sharedBagService]
44506 ms | | | | | | | -[AKURLBagService urlBagFromCache:0x0 altDSID:0x0 error:0x16b31a0f8]
44506 ms | | | | | | | -[AKURLBagService _cachedURLBagForAltDSID:0x0]
44506 ms | | | | | | | -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19dd2ca94 reply:0x1]
44506 ms | | | | | | | | -[NSXPCCoder init]
44507 ms | | | | | | | | -[NSXPCCoder dealloc]
44508 ms | | | | | | | | -[NSXPCCConnection invalidationHandler]
44508 ms | | | | | | | | -[NSXPCCConnection _additionalInvalidationHandler]
44508 ms | | | | | | | | -[NSXPCCConnection setInvalidationHandler:0x0]
44508 ms | | | | | | | | -[NSXPCCConnection setInterruptionHandler:0x0]
44508 ms | | | | | | | | -[NSXPCCConnection setExportedObject:0x0]
44508 ms | | | | | | | | | -[AKAppleIDAuthenticationService .cxx_destruct]
44508 ms | | | | | | | | | -[AKClient .cxx_destruct]
44508 ms | | | | | | | | -[NSXPCCConnection dealloc]
/* TID 0x2ee7 */
83869 ms | | | | | | | | -[NSXPCListener serviceName]
83870 ms | | | | | | | | -[NSXPCCConnection init]
83870 ms | | | | | | | | -[NSXPCListener delegate]
83870 ms | | | | | | | | -[NSXPCListener delegate]
83870 ms | | | | | | | | -[AKDaemonConnectionManager listener:0x126906200 shouldAcceptNewConnection:0x126947dd0]
83871 ms | | | | | | | | | -[AKClient initWithConnection:0x126947dd0]
83871 ms | | | | | | | | | -[AKDaemonConnectionManager shouldAllowClient:0x1269481d0 logging:0x16b3a6598]
83871 ms | | | | | | | | | | -[AKClient hasWriteAccess]
83871 ms | | | | | | | | | | | -[AKClient _boolValueForEntitlement:0x10503a2b0]
83871 ms | | | | | | | | | | | | -[NSXPCCConnection valueForEntitlement:0x10503a2b0]
83871 ms | | | | | | | | | | | | | -[NSXPCCConnection auditToken]
83874 ms | | | | | | | | | | | | -[AKClient description]
83874 ms | | | | | | | | | | | | | -[AKClient name]
83874 ms | | | | | | | | | | | | | | -[NSXPCCConnection processIdentifier]
83874 ms | | | | | | | | | | | | | | -[NSXPCCConnection processIdentifier]
83874 ms | | | | | | | | | | | | | | -[AKAppleIDAuthenticationService initWithClient:0x1269481d0]
83874 ms | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationService initWithProxy:0x125d87ea0]

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```

83875 ms | | | -[AKAppleIDAuthenticationService init]
83875 ms | | | | +[AKAccountManager sharedInstance]
83875 ms | | | | | +[AKAccountManager isAccountsFrameworkAvailable]
83875 ms | | | | | +[AKAuthenticationUILiaison sharedInstance]
83875 ms | | | | | +[AKAuthenticationTrafficController sharedInstance]
83875 ms | | | | | | -[AKAuthenticationUILiaison surrogateManager]
83875 ms | | | | | | -[AKAuthenticationTrafficController setSurrogateManager:
0x125d15810]
83876 ms | | | -[NSXPConnection setExportedObject:0x125d88d50]
83876 ms | | | +[AKAppleIDAuthenticationDaemonInterface XPCInterface]
83876 ms | | | -[NSXPConnection setExportedInterface:0x1268141a0]
83876 ms | | | +[AKAppleIDAuthenticationClientInterface XPCInterface]
83876 ms | | | -[NSXPConnection setRemoteObjectInterface:0x1269121f0]
83877 ms | | | | -[NSXPConnection resume]
83877 ms | | | -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x125d7e8f0 flags:0x21]
83878 ms | | | | -[NSXPCCoder init]
83878 ms | | | | -[NSXPCInterface _selectorIsAllowed:0x19d1122fb isReply:0x0 methodSignature:0x16b3a5780 allowedClasses:0x16b3a5788]
83878 ms | | | | +[AKAppleIDAuthenticationContext supportsSecureCoding]
83878 ms | | | | -[AKAppleIDAuthenticationContext initWithCoder:0x128808e00]
83879 ms | | | | -[NSXPCCoder dealloc]
83879 ms | | | | -[NSXPCInterface _methodSignatureForReplyBlockOfSelector:0x19d1122fb]
83879 ms | | | | -[AKAppleIDAuthenticationService authenticateWithContext:0x126a0bf00 completion:0x16b3a5950]
83879 ms | | | | | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
83879 ms | | | | | -[AKAppleIDAuthenticationContext serviceType]
83879 ms | | | | | -[AKClient isPermittedForInteractiveAuthOnLimitedContext]
83879 ms | | | | | | -[AKClient _permittedProcessNamesForInteractiveAuthOnLimitedContext]
83879 ms | | | | | | -[AKClient name]
83880 ms | | | | | -[AKAppleIDAuthenticationContext isContextEligibleForSilentAuth coercion]
83880 ms | | | | | | -[AKAppleIDAuthenticationContext _proxiedAppName]
83880 ms | | | | | | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
83880 ms | | | | | | -[AKAppleIDAuthenticationContext username]
83880 ms | | | | | | -[AKAppleIDAuthenticationContext _password]
83881 ms | | | | | | -[AKAuthenticationTrafficController beginAuthenticationWithContext:0x126a0bf00 client:0x1269481d0 clearanceHandler:0x16b3a57a8]
/* TID 0x2767 */
83882 ms | | | -[AKClient bundleID]
83882 ms | | | | -[NSXPConnection processIdentifier]
83883 ms | | | | -[NSXPConnection processIdentifier]
83883 ms | | | -[AKAuthenticationTrafficController _addCachedPasswordInContext:0x126a0bf00]
83883 ms | | | | -[AKAppleIDAuthenticationContext serviceType]
83883 ms | | | | -[AKAppleIDAuthenticationContext isContextEligibleForSilentAuth]
83883 ms | | | | | -[AKAppleIDAuthenticationContext authenticationType]
83883 ms | | | | | -[AKAppleIDAuthenticationContext shouldPromptForPasswordOnly]
83884 ms | | | | | -[AKAppleIDAuthenticationContext isEphemeral]
83884 ms | | | | | | -[AKAppleIDAuthenticationContext isUsernameEditable]
83884 ms | | | | -[AKClient bundleID]
83884 ms | | | | -[AKTrafficClearanceRequest setClearanceHandler:0x126a19640]
83884 ms | | | | -[AKTrafficClearanceRequest setContext:0x126a0bf00]
83884 ms | | | | -[AKTrafficClearanceRequest setClientBundleID:0x1f7d89e60]
83884 ms | | | | -[AKAuthenticationTrafficController _shouldClearRequest:0x126a0be60 withClient:0x1269481d0]
83884 ms | | | | | -[AKTrafficClearanceRequest context]

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83884 ms | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
83884 ms | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
83884 ms | -[AKAuthenticationTrafficController surrogateManager]
83884 ms | -[AKAuthenticationSurrogateManager isSurrogateAuthInProgressForClient:0
x1269481d0]
83884 ms |     | -[AKAuthenticationSurrogateManager _fetchSurrogateForClient:0x1269
481d0]
83885 ms |     |     | -[AKAuthenticationSurrogateManager inProgressSurrogates]
83885 ms | -[AKAppleIDAuthenticationContext authenticationType]
83885 ms | -[AKAuthenticationTrafficController _hasActiveAppAuths]
83885 ms |     | -[AKAuthenticationTrafficController _hasValuesInMap:0x126816150]
83885 ms | -[AKAuthenticationTrafficController _hasActiveDaemonAuths]
83885 ms |     | -[AKAuthenticationTrafficController _hasValuesInMap:0x126816170]
83885 ms -[AKAuthenticationTrafficController _tq_invokeTrafficRequest:0x126a0be60]
83885 ms | -[AKTrafficClearenceRequest clientBundleID]
83885 ms | -[AKTrafficClearenceRequest context]
83885 ms | -[AKTrafficClearenceRequest context]
83885 ms | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
83886 ms -[AKTrafficClearenceRequest clearanceHandler]
83886 ms -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
83886 ms -[AKAppleIDAuthenticationService _authenticateWithContext:0x126a0bf00 comple
tion:0x16b31ad40]
83886 ms | -[AKAppleIDAuthenticationContext needsRepair]
83886 ms | -[AKAppleIDAuthenticationContext needsCredentialRecovery]
83886 ms | -[AKAppleIDAuthenticationContext needsNewAppleID]
83886 ms | -[AKAppleIDAuthenticationContext needsNewChildAccount]
83886 ms | -[AKAppleIDAuthenticationContext needsPasswordChange]
83886 ms | -[AKAppleIDAuthenticationContext needsSecurityUpgradeUI]
83886 ms | -[AKAppleIDAuthenticationService _performAuthenticationWithContext:0x12
6a0bf00 completion:0x16b31ad40]
83886 ms |     | -[AKAppleIDAuthenticationService _isInteractiveAuthRequiredForCont
ext:0x126a0bf00]
83886 ms |     |     | -[AKAppleIDAuthenticationContext authenticationType]
83887 ms |     |     | -[AKAppleIDAuthenticationService _attemptBiometricOrPasscodeAuthWi
thContext:0x126a0bf00 completion:0x16b31ad40]
83887 ms |     |     | -[AKAppleIDAuthenticationContext isContextEligibleForBiometri
cOrPasscodeAuth]
83887 ms |     |     |     | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay
]
83887 ms |     |     |     | -[AKAppleIDAuthenticationContext _isVerifyCredentialReas
onEligibleForBiometricOrPasscodeAuth]
83887 ms |     |     |     | -[AKAppleIDAuthenticationContext verifyCredentialRe
ason]
83887 ms |     |     |     | +[AKConfiguration sharedConfiguration]
83887 ms |     |     |     | -[AKConfiguration shouldAllowExperimentalMode]
83887 ms |     |     |     |     | -[AKConfiguration configurationValueForKey:0x1ea6ef
fb8]
83887 ms |     |     |     | -[AKAppleIDAuthenticationService _attemptInteractiveAuthWithC
ontext:0x126a0bf00 completion:0x16b31ad40]
83887 ms |     |     |     | -[AKAppleIDAuthenticationContext username]
83887 ms |     |     |     | -[AKAppleIDAuthenticationContext _password]
83887 ms |     |     |     | -[AKAppleIDAuthenticationContext _shouldSkipInitialReach
abilityCheck]
/* TID 0x2ee7 */
83889 ms -[NSXPCLListener serviceName]
83889 ms -[NSXPCCConnection init]

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83889 ms -[NSXPCListener delegate]
83889 ms -[NSXPCListener delegate]
83889 ms -[AKDaemonConnectionManager listener:0x126907500 shouldAcceptNewConnection:0
x126a10460]
83889 ms | -[AKClient initWithConnection:0x126a10460]
83889 ms | -[AKDaemonConnectionManager shouldAllowClient:0x126a0c890 logging:0x16b
3a6598]
83889 ms | | -[AKClient hasWriteAccess]
83889 ms | | | -[AKClient _boolValueForEntitlement:0x10503a2b0]
83889 ms | | | | -[NSXPCCConnection valueForEntitlement:0x10503a2b0]
83889 ms | | | | | -[NSXPCCConnection auditToken]
/* TID 0x2767 */
83889 ms | | | | | | -[AKAppleIDAuthenticationService _performInteractiveAuth
WithContext:0x126a0bf00 completion:0x16b31ad40]
83890 ms | | | | | | | -[AKAppleIDAuthenticationService refreshAuthMetadat
aWithContext:0x126a0bf00 completion:0x16b31ab38]
83890 ms | | | | | | | | -[AKAppleIDAuthenticationService _refreshLocal
AccountAndUpdateContext:0x126a0bf00 completion:0x16b31aac8]
83890 ms | | | | | | | | | -[AKAppleIDAuthenticationContext _shouldR
efreshAccountAndUpdateContext]
83890 ms | | | | | | | | | | -[AKAppleIDAuthenticationService _updateA
ltDSIDAndUsername:0x126a0bf00]
83890 ms | | | | | | | | | | | -[AKAppleIDAuthenticationContext alt
DSID]
83890 ms | | | | | | | | | | | -[AKAppleIDAuthenticationContext DS
I]
83890 ms | | | | | | | | | | | | -[AKAppleIDAuthenticationContext altDSID]
83890 ms | | | | | | | | | | | | -[AKAppleIDAuthenticationService _refresh
AuthModeIfNecessaryForContext:0x126a0bf00 completion:0x16b31a998]
83890 ms | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext nee
dsNewAppleID]
83890 ms | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext nee
dsNewChildAccount]
83890 ms | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext nee
dsCredentialRecovery]
83890 ms | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext nee
dsPasswordChange]
83890 ms | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext use
rname]
83890 ms | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext use
rname]
83890 ms | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext aut
henticationType]
83891 ms | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext aut
hKitAccount:0x0]
83891 ms | | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContex
t altDSID]
83891 ms | | | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContex
t DSID]
83891 ms | | | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContex
t username]
83891 ms | | | | | | | | | | | | | | | | | | | | | +[AKAccountManager sharedInstan
ce]
83891 ms | | | | | | | | | | | | | | | | | | | | | | +[AKAccountManager isAccou
ntsFrameworkAvailable]
83891 ms | | | | | | | | | | | | | | | | | | | | | | | -[AKAccountManager authKitAccou

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83893 ms      | -[AKAnisetteProvisioningService fetchAnisetteDataAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b3a62a0]
83893 ms      |     | -[AKClient hasInternalPrivateAccess]
83894 ms      |     |     | -[AKClient hasInternalPrivateEntitlementAccess]
/* TID 0x2767 */
83894 ms      |     |     |     |     |     |     |     |     | -[NSXPCCConnection synchronousRemoteObjectProxyWithErrorHandler:0x16b31a410]
83894 ms      |     |     |     |     |     |     |     |     | -[NSXPCCConnection _remoteObjectInterfaceClass]
83894 ms      |     |     |     |     |     |     |     |     |     | -[NSXPCInterface _customSubclass]
/* TID 0x2ee7 */
83894 ms      |     |     |     | -[AKClient hasInternalAccess]
83894 ms      |     |     |     | -[AKClient hasOwnerAccess]
83894 ms      |     |     |     |     | -[AKClient _boolValueForEntitlement:0x10503a290]
/* TID 0x2767 */
83894 ms      |     |     |     |     |     |     |     |     |     | -[NSXPCInterface _methodSignatureForRemoteSelector:0x19cef453]
83894 ms      |     |     |     |     |     |     |     |     |     | -[NSXPCCConnection _sendInvocation:0x16b31a130 orArguments:0x0 count:0x0 methodSignature:0x9d85aa9dd9ffdaaff selectOr:0x19cef453 withProxy:0x126b17cd0]
83894 ms      |     |     |     |     |     |     |     |     |     | -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19cef453 reply:0x0]
/* TID 0x2ee7 */
83894 ms      |     |     |     |     |     | -[NSXPCCConnection valueForEntitlement:0x10503a290]
83894 ms      |     |     |     |     |     | -[NSXPCCConnection auditToken]
/* TID 0x2767 */
83894 ms      |     |     |     |     |     |     |     |     |     |     | -[NSXPCCoder init]
83895 ms      |     |     |     |     |     |     |     |     |     |     | -[NSXPCCoder dealloc]
83895 ms      |     |     |     |     |     |     |     |     |     |     | -[NSXPCInterface _hasProxiesInReplyBlockArgumentsOfSelector:0x19cef453]
/* TID 0x2ee7 */
83897 ms      |     |     |     |     | -[AKClient _boolValueForEntitlement:0x10503a270]
83897 ms      |     |     |     |     | -[NSXPCCConnection valueForEntitlement:0x10503a270]
83897 ms      |     |     |     |     | -[NSXPCCConnection auditToken]
83897 ms      |     |     | -[AKAnisetteProvisioningService _fetchAnisetteDataAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b3a62a0]
83897 ms      |     |     |     | -[AKAnisetteProvisioningService _helperServiceForDevice:0x0]
83897 ms      |     |     |     | -[AKAnisetteProvisioningService _nativeAnisetteService]
83897 ms      |     |     |     | -[AKNativeAnisetteService initWithClient:0x126a0c890]
83897 ms      |     |     |     | -[AKNativeAnisetteService fetchAnisetteDataAndProvisionIfNecessary:0x1 withCompletion:0x16b3a62a0]
83897 ms      |     |     |     | +[AKNativeAnisetteService lastKnownActiveAnisetteDSID]
83897 ms      |     |     |     | +[AKURLBag bagForAltDSID:0x0]
83897 ms      |     |     |     | +[AKURLBag sharedBag]
83897 ms      |     |     | -[AKURLBag lastKnownIDMSEnvironment]
83897 ms      |     |     |     | +[AKConfiguration sharedConfiguration]
83897 ms      |     |     |     | -[AKConfiguration lastKnownIDMSEnvironment]
83897 ms      |     |     |     |     | -[AKConfiguration configurationValueForKey:0x1ea6f0118]
83898 ms      |     |     |     | +[AKNativeAnisetteService activeAnisetteDSIDWithEnvironment:0x0]
83898 ms      |     |     | -[AKNativeAnisetteService _unsafe_anisetteDataWithRoutingInfoForDSID:0xffffffffffff withError:0x16b3a68a8]

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| | | | -[NSXPConnection synchronousRemoteObjectProxyWithErrorHandler:0x16b
31a428]
83905 ms | | | | -[NSXPConnection _remoteObjectInterfaceClass]
83905 ms | | | | -[NSXPCInterface _customSubclass]
83905 ms | | | | -[NSXPConnection _sendSelector:0x19e667b96 withProxy:0x126a23430 ar
g1:0x1ea6ece38 arg2:0x16b31a3f8]
83906 ms | | | | -[NSXPCInterface _methodSignatureForRemoteSelector:0x19e667b96]
83906 ms | | | | -[NSXPConnection _sendInvocation:0x0 orArguments:0x16b31a368 c
ount:0x2 methodSignature:0x9d85aa9dd9ff885f selector:0x19e667b96 withProxy:0x126a23430]
83906 ms | | | | -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19
e667b96 reply:0x0]
83906 ms | | | | -[NSXPCCoder init]
83906 ms | | | | -[NSXPCCoder dealloc]
83906 ms | | | | -[NSXPCInterface _hasProxiesInReplyBlockArgumentsOfSelecto
r:0x19e667b96]
83907 ms | | | | -[NSXPConnection _decodeAndInvokeReplyBlockWithEvent:0x12
6a237f0 sequence:0x9 replyInfo:0x126a234e0]
83907 ms | | | | -[NSXPCCoder init]
83907 ms | | | | -[NSXPCInterface _selectorIsAllowed:0x19e667b96 isRep
ly:0x1 methodSignature:0x16b3196b0 allowedClasses:0x16b3196b8]
83907 ms | | | | -[NSXPCCoder dealloc]
83907 ms | | +[AKFollowUpServerPayloadFormatter pendingAuthKitFollowUpPayload:0x1f7b37
500]
83907 ms | | -[AKAppleIDServerResourceLoadDelegate setFollowupItems:0x126a23710]
83907 ms | | -[AKAppleIDAuthenticationContext proxiedDeviceAnisetteData]
83907 ms | | -[AKAppleIDServerResourceLoadDelegate setProxiedDeviceAnisetteData:0x0]
83907 ms | | -[AKAppleIDAuthenticationContext proxiedDevice]
83907 ms | | -[AKAppleIDServerResourceLoadDelegate setProxiedDevice:0x0]
83907 ms | | -[AKClient name]
83907 ms | | -[AKAppleIDServerResourceLoadDelegate setClientAppName:0x1f7d8ab20]
83907 ms | | -[AKAppleIDAuthenticationContext authKitAccount:0x16b31a598]
83907 ms | | -[AKAppleIDAuthenticationContext altDSID]
83907 ms | | -[AKAppleIDAuthenticationContext altDSID]

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|   |   | -[AKAppleIDAuthenticationContext DSID]
83907 ms   |   |   | -[AKAppleIDAuthenticationContext username]
83907 ms   |   |   | +[AKAccountManager sharedInstance]
83907 ms   |   |   | +[AKAccountManager isAccountsFrameworkAvailable]
83907 ms   |   |   | -[AKAccountManager authKitAccountWithAppleID:0x126a053b0]
83907 ms   |   |   | -[AKAccountManager authKitAccountType]
/* TID 0x2ee7 */
83907 ms   |   | +[AKADIPProxy dispose:0x126b0e120]
83907 ms   |   | +[AKADIPProxy dispose:0x126b077e0]
/* TID 0x2767 */
83907 ms   |   | -[NSXPConnection synchronousRemoteObjectProxyWithErrorHandler:0x16b
31a080]
83907 ms   |   | -[NSXPConnection _remoteObjectInterfaceClass]
83907 ms   |   | -[NSXPCInterface _customSubclass]
/* TID 0x2ee7 */
83907 ms   |   | -[AKAnisetteData setMachineID:0x126b05830]
83907 ms   |   | -[AKAnisetteData setOneTimePassword:0x126b0e0e0]
83908 ms   |   | -[AKAnisetteData setRoutingInfo:0x3050500]
83908 ms   -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19d37a17a reply:0x1]
83908 ms   -[NSXPCCoder init]
/* TID 0x2767 */
83908 ms   |   | -[NSXPCInterface _methodSignatureForRemoteSelector:0x19cef453]
/* TID 0x2ee7 */
83908 ms   -[AKAnisetteData encodeWithCoder:0x12900f600]
/* TID 0x2767 */
83908 ms   |   | -[NSXPConnection _sendInvocation:0x16b319da0 orArguments:0x0 count:
0x0 methodSignature:0x9d85aaafdd9ffdaff selector:0x19cef453 withProxy:0x126a23790]
83908 ms   |   | -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19cef4
53 reply:0x0]
83908 ms   |   | -[NSXPCCoder init]
/* TID 0x2ee7 */
83908 ms   -[NSXPCCoder dealloc]
83908 ms   -[AKAnisetteData .cxx_destruct]
/* TID 0x2767 */
83908 ms   |   | -[NSXPCCoder dealloc]
83908 ms   |   | -[NSXPCInterface _hasProxiesInReplyBlockArgumentsOfSelector:0x1
9cef453]
83908 ms   |   | -[NSXPConnection _decodeAndInvokeReplyBlockWithEvent:0x126a23e
10 sequence:0x2 replyInfo:0x126a23950]
83908 ms   |   | -[NSXPCCoder init]

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|   |   | -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19cef453 reply:0
x0]
83927 ms   |   |   | -[NSXPCCoder init]
83927 ms   |   |   | -[NSXPCCoder dealloc]
83927 ms   |   |   | -[NSXPCInterface _hasProxiesInReplyBlockArgumentsOfSelector:0x19cef453]
83927 ms   |   |   | -[NSXPCCConnection _decodeAndInvokeReplyBlockWithEvent:0x126b16e70 sequenc
e:0x4 replyInfo:0x126a23c40]
83927 ms   |   |   | -[NSXPCCoder init]
83927 ms   |   |   | -[NSXPCInterface _selectorIsAllowed:0x19cef453 isReply:0x1 methodSi
gnature:0x16b318f90 allowedClasses:0x16b318f98]
83927 ms   |   |   | -[NSXPCCoder dealloc]
83927 ms   |   |   | +[AKAccountManager sharedInstance]
83927 ms   |   |   | +[AKAccountManager isAccountsFrameworkAvailable]
83927 ms   |   |   | -[AKAccountManager servicesUsingAccount:0x126b0aa10]
83928 ms   |   |   | -[AKServiceContr
ollerImpl _executeRequest:0x126b07210 completion:0x16b31a748]
83928 ms   |   |   | -[AKURLRequ
estProviderImpl shouldCacheResource]
83928 ms   |   |   | +[AKURLSess
ion sharedURLSession]
83928 ms   |   |   | -[AKURLSess
ion beginAuthenticationDataTaskWithRequest:0x126b07210 completionHandler:0x16b31a6e0]
83928 ms   |   |   | -[AKUR
LSession beginDataTaskWithRequest:0x126b07210 completionHandler:0x16b31a650]
83928 ms   -[AKTrafficClearanceRequest .cxx_destruct]
83928 ms   -[AKAppleIDServerResourceLoadDelegate .cxx_destruct]
/* TID 0x4a03 */
83928 ms   -[AKURLSession _URLSession]
83931 ms   -[AKAppleIDSession copyWithZone:0x0]
83931 ms   | -[AKAppleIDSession initWithIdentifier:0x1ea6ed738]
83931 ms   -[AKURLDataTask setRequest:0x126b07210]
83931 ms   -[AKURLDataTask setRetryCount:0x0]
83931 ms   -[AKURLDataTask setCompletionHandler:0x126b0e360]
83932 ms   -[AKURLDataTask setUnderlyingTask:0x126a23790]
83934 ms   -[AKAppleIDSession URLSession:0x125e16f80 task:0x126a23790 getAppleIDRequest
OrHeadersForResponse:0x0 completionHandler:0x16b4be680]
83934 ms   | -[AKAppleIDSession _generateAppleIDHeadersForSessionTask:0x126a23790 wi
thCompletion:0x16b4be5c8]
83934 ms   |   | -[AKAppleIDSession _nativeAnisetteController]
83934 ms   |   | -[AKAnisetteProvisioningController init]
83934 ms   |   | -[AKAnisetteProvisioningController anisetteDataForURLRequest:0x126
a18120 completion:0x16b4be488]
83934 ms   |   | -[AKAnisetteProvisioningController fetchAnisetteDataAndProv
isionIfNecessary:0x1 withCompletion:0x16b4be488]
83934 ms   |   | -[AKAnisetteProvisioningController _anisetteServiceConne
ction]

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83934 ms | | | | | -[NSXPCCConnection initWithMachServiceName:0x1ea6f09
b8 options:0x0]
83934 ms | | | | | | -[NSXPCCConnection init]
83934 ms | | | | | +[AKAnisetteProvisioningDaemonInterface XPCInterface
e]
83934 ms | | | | | -[NSXPCCConnection setRemoteObjectInterface:0x125d16
640]
83934 ms | | | | | -[NSXPCCConnection setExportedObject:0x126a243f0]
83934 ms | | | | | +[AKAnisetteProvisioningClientInterface XPCInterface
e]
83934 ms | | | | | -[NSXPCCConnection setExportedInterface:0x125d16a50]
83934 ms | | | | | -[NSXPCCConnection setInterruptionHandler:0x16b4be1f
0]
83934 ms | | | | | -[NSXPCCConnection setInvalidationHandler:0x16b4be1c
8]
83934 ms | | | | | | -[NSXPCCConnection resume]
83934 ms | | | | | -[NSXPCCConnection remoteObjectProxyWithErrorHandler:0x16
b4be2a8]
83935 ms | | | | | | -[NSXPCCConnection _remoteObjectInterfaceClass]
83935 ms | | | | | | | -[NSXPCInterface _customSubclass]
83935 ms | | | | | | -[NSXPCInterface _methodSignatureForRemoteSelector:0x19d
37a17a]
83935 ms | | | | | | -[NSXPCCConnection _sendInvocation:0x16b4bdff0 orArgument
s:0x0 count:0x0 methodSignature:0x9d85aaafdd9ff48ff selector:0x19d37a17a withProxy:0x126
b17cd0]
83935 ms | | | | | | | -[NSXPCInterface _interfaceForArgument:0x1 ofSelect
or:0x19d37a17a reply:0x0]
83935 ms | | | | | | -[NSXPCCoder init]
83935 ms | | | | | | -[NSXPCCoder dealloc]
83935 ms | | | | | | -[NSXPCInterface _hasProxiesInReplyBlockArgumentsOf
Selector:0x19d37a17a]
/* TID 0x2767 */
83935 ms -[NSXPCListener serviceName]
83935 ms -[NSXPCCConnection init]
83935 ms -[NSXPCListener delegate]
83935 ms -[NSXPCListener delegate]
83935 ms -[AKDaemonConnectionManager listener:0x126907500 shouldAcceptNewConnection:0
x126a24be0]
83935 ms | -[AKClient initWithConnection:0x126a24be0]
83935 ms | -[AKDaemonConnectionManager shouldAllowClient:0x126a254e0 logging:0x16b
31a598]
83935 ms | | -[AKClient hasWriteAccess]
83935 ms | | | -[AKClient _boolValueForEntitlement:0x10503a2b0]
83935 ms | | | | -[NSXPCCConnection valueForEntitlement:0x10503a2b0]
83935 ms | | | | | -[NSXPCCConnection auditToken]
83935 ms | | -[AKClient hasInternalAccess]
83935 ms | | | -[AKClient hasOwnerAccess]
83935 ms | | | | -[AKClient _boolValueForEntitlement:0x10503a290]
83936 ms | | | | | -[NSXPCCConnection valueForEntitlement:0x10503a290]
83936 ms | | | | | | -[NSXPCCConnection auditToken]
83936 ms | | | | | -[AKClient _boolValueForEntitlement:0x10503a270]
83936 ms | | | | | | -[NSXPCCConnection valueForEntitlement:0x10503a270]
83936 ms | | | | | | | -[NSXPCCConnection auditToken]
83936 ms | | | | -[AKClient description]
83936 ms | | | | | -[AKClient name]
83936 ms | | | | | | -[NSXPCCConnection processIdentifier]

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83936 ms |     |     | -[NSXPConnection processIdentifier]
83936 ms |     |     | -[AKAnisetteProvisioningService initWithClient:0x126a254e0]
83936 ms |     |     | +[AKAbsintheSigner sharedSigner]
83936 ms |     |     | +[AKAttestationSigner sharedSigner]
83936 ms |     |     -[NSXPConnection setExportedObject:0x126a255f0]
83936 ms |     |     +[AKAnisetteProvisioningDaemonInterface XPCInterface]
83936 ms |     |     -[NSXPConnection setExportedInterface:0x125d16640]
83936 ms |     |     +[AKAnisetteProvisioningClientInterface XPCInterface]
83936 ms |     |     -[NSXPConnection setRemoteObjectInterface:0x125d16a50]
83936 ms |     |     -[NSXPConnection resume]
83936 ms |     -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x126a257f0 flags:0x21]
83936 ms |     |     -[NSXPCCoder init]
83936 ms |     |     -[NSXPCInterface _selectorIsAllowed:0x19d37a17a isReply:0x0 methodSignature:0x16b31a0d0 allowedClasses:0x16b31a0d8]
83936 ms |     |     -[NSXPCCoder dealloc]
83936 ms |     |     -[NSXPCInterface _methodSignatureForReplyBlockOfSelector:0x19d37a17a]
83936 ms |     |     -[AKAnisetteProvisioningService fetchAnisetteDataAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b31a2a0]
83936 ms |     |     | -[AKClient hasInternalPrivateAccess]
83936 ms |     |     |     -[AKClient hasInternalPrivateEntitlementAccess]
83936 ms |     |     |     | -[AKClient hasInternalAccess]
83936 ms |     |     |     |     -[AKClient hasOwnerAccess]
83936 ms |     |     |     |     | -[AKClient _boolValueForEntitlement:0x10503a290]
83936 ms |     |     |     |     |     -[NSXPConnection valueForEntitlement:0x10503a290]
83936 ms |     |     |     |     |     | -[NSXPConnection auditToken]
83936 ms |     |     |     |     |     | -[AKClient _boolValueForEntitlement:0x10503a270]
83936 ms |     |     |     |     |     | -[NSXPConnection valueForEntitlement:0x10503a270]
83936 ms |     |     |     |     |     | -[NSXPConnection auditToken]
83936 ms |     |     |     -[AKAnisetteProvisioningService _fetchAnisetteDataAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b31a2a0]
83936 ms |     |     |     | -[AKAnisetteProvisioningService _helperServiceForDevice:0x0]
83936 ms |     |     |     |     -[AKAnisetteProvisioningService _nativeAnisetteService]
83936 ms |     |     |     |     | -[AKNativeAnisetteService initWithClient:0x126a254e0]
83936 ms |     |     |     |     | -[AKNativeAnisetteService fetchAnisetteDataAndProvisionIfNecessary:0x1 withCompletion:0x16b31a2a0]
83936 ms +[AKNativeAnisetteService lastKnownActiveAnisetteDSID]
83936 ms |     +[AKURLBag bagForAltDSID:0x0]
83936 ms |     | +[AKURLBag sharedBag]
83936 ms |     -[AKURLBag lastKnownIDMSEnvironment]
83936 ms |     | +[AKConfiguration sharedConfiguration]
83936 ms |     | -[AKConfiguration lastKnownIDMSEnvironment]
83936 ms |     |     | -[AKConfiguration configurationValueForKey:0x1ea6f0118]
83936 ms |     |     +[AKNativeAnisetteService activeAnisetteDSIDWithEnvironment:0x0]
83936 ms -[AKNativeAnisetteService _unsafe_anisetteDataWithRoutingInfoForDSID:0xffffffffffffffffffff withError:0x16b31a8a8]
83936 ms |     | +[AKADIPProxy getIDMSRoutingInfo:0x16b31a838 forDSID:0xffffffffffffffffffff]
83937 ms |     | -[AKNativeAnisetteService _unsafe_anisetteDataForDSID:0xffffffffffffffffffff e withError:0x16b31a8a8]
83937 ms |     |     | +[AKADIPProxy requestOTPForDSID:0xffffffffffffffffffff outMID:0x16b31a7e8 outMIDSize:0x16b31a7dc outOTP:0x16b31a7e0 outOTPSize:0x16b31a7d8]
83937 ms |     |     | +[AKADIPProxy dispose:0x126a26580]
83937 ms |     |     | +[AKADIPProxy dispose:0x126a24a80]

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83937 ms      |     | -[AKAnisetteData setMachineID:0x126a25670]
83937 ms      |     | -[AKAnisetteData setOneTimePassword:0x126a256d0]
83937 ms      |     | -[AKAnisetteData setRoutingInfo:0x3050500]
83937 ms      -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19d37a17a reply:0x1]
83937 ms      -[NSXPCCoder init]
83937 ms      -[AKAnisetteData encodeWithCoder:0x128811000]
83937 ms      -[NSXPCCoder dealloc]
83937 ms      -[AKAnisetteData .cxx_destruct]
83937 ms      -[NSXPConnection _decodeAndInvokeReplyBlockWithEvent:0x126a25620 sequence:0
x1 replyInfo:0x126b05fd0]
83937 ms      | -[NSXPCCoder init]
83937 ms      | -[NSXPCInterface _selectorIsAllowed:0x19d37a17a isReply:0x1 methodSigna
ture:0x16b31a3f0 allowedClasses:0x16b31a3f8]
83937 ms      | +[AKAnisetteData supportsSecureCoding]
83937 ms      | -[AKAnisetteData initWithCoder:0x12880d000]
83937 ms      | -[AKAppleIDSession _genericAppleIDHeadersDictionaryForRequest:0x126a181
20]
83938 ms      |     | +[AKDevice currentDevice]
83938 ms      |     | -[AKDevice locale]
83938 ms      | -[AKAnisetteData machineID]
83938 ms      | -[AKAnisetteData oneTimePassword]
83938 ms      | -[AKAnisetteData routingInfo]
83938 ms      | +[AKDevice currentDevice]
83938 ms      | -[AKDevice localUserUUID]
83938 ms      | +[AKConfiguration sharedConfiguration]
83938 ms      | -[AKConfiguration shouldAllowTestApplication]
83938 ms      |     | -[AKConfiguration configurationValueForKey:0x1ea6efff8]
83938 ms      | -[AKAppleIDSession _pairedDeviceAnisetteController]
83938 ms      -[AKAnisetteData .cxx_destruct]
83938 ms      -[NSXPCCoder dealloc]
84336 ms      -[NSXPConnection invalidationHandler]
84337 ms      -[NSXPConnection _additionalInvalidationHandler]
84337 ms      -[NSXPConnection setInvalidationHandler:0x0]
84337 ms      -[NSXPConnection setInterruptionHandler:0x0]
84337 ms      -[NSXPConnection setExportedObject:0x0]
84337 ms      | -[AKAnisetteProvisioningService .cxx_destruct]
84337 ms      |     | -[AKNativeAnisetteService .cxx_destruct]
84338 ms      |     | -[AKClient .cxx_destruct]
84338 ms      -[NSXPConnection dealloc]
84342 ms      -[NSXPCListener serviceName]
84342 ms      -[NSXPConnection init]
84342 ms      -[NSXPCListener delegate]
84342 ms      -[NSXPCListener delegate]
84343 ms      -[AKDaemonConnectionManager listener:0x126907500 shouldAcceptNewConnection:0
x125e33170]
84343 ms      | -[AKClient initWithConnection:0x125e33170]
84343 ms      | -[AKDaemonConnectionManager shouldAllowClient:0x125e2b900 logging:0x16b
31a598]
84343 ms      |     | -[AKClient hasWriteAccess]
84343 ms      |     |     | -[AKClient _boolValueForEntitlement:0x10503a2b0]
84343 ms      |     |     | -[NSXPConnection valueForEntitlement:0x10503a2b0]
84343 ms      |     |     |     | -[NSXPConnection auditToken]
84347 ms      |     | -[AKClient description]
84347 ms      |     |     | -[AKClient name]
84347 ms      |     |     |     | -[NSXPConnection processIdentifier]
84347 ms      |     |     |     | -[NSXPConnection processIdentifier]

```

```

84347 ms | - [AKAnisetteProvisioningService initWithClient:0x125e2b900]
84347 ms |   | +[AKAbsintheSigner sharedSigner]
84347 ms |   | +[AKAttestationSigner sharedSigner]
84348 ms | - [NSXPConnection setExportedObject:0x126889ce0]
84348 ms | +[AKAnisetteProvisioningDaemonInterface XPCInterface]
84348 ms | - [NSXPConnection setExportedInterface:0x125d16640]
84348 ms | +[AKAnisetteProvisioningClientInterface XPCInterface]
84348 ms | - [NSXPConnection setRemoteObjectInterface:0x125d16a50]
84348 ms | - [NSXPConnection resume]
84349 ms - [NSXPConnection _decodeAndInvokeMessageWithEvent:0x12688b5c0 flags:0x21]
84349 ms | - [NSXPCCoder init]
84349 ms | - [NSXPCInterface _selectorIsAllowed:0x19d37a17a isReply:0x0 methodSignature:0x16b31a0d0 allowedClasses:0x16b31a0d8]
84349 ms | - [NSXPCCoder dealloc]
84349 ms | - [NSXPCInterface _methodSignatureForReplyBlockOfSelector:0x19d37a17a]
84349 ms | - [AKAnisetteProvisioningService fetchAnisetteDataAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b31a2a0]
84349 ms |   | - [AKClient hasInternalPrivateAccess]
84349 ms |   | - [AKClient hasInternalPrivateEntitlementAccess]
84349 ms |   |   | - [AKClient hasInternalAccess]
84349 ms |   |   | - [AKClient hasOwnerAccess]
84349 ms |   |   |   | - [AKClient _boolValueForEntitlement:0x10503a290]
84349 ms |   |   |   | - [NSXPConnection valueForEntitlement:0x10503a290]
84349 ms |   |   |   |   | - [NSXPConnection auditToken]
84352 ms |   |   |   |   | - [AKClient _boolValueForEntitlement:0x10503a270]
84352 ms |   |   |   |   | - [NSXPConnection valueForEntitlement:0x10503a270]
84352 ms |   |   |   |   | - [NSXPConnection auditToken]
84353 ms |   | - [AKAnisetteProvisioningService _fetchAnisetteDataAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b31a2a0]
84353 ms |   |   | - [AKAnisetteProvisioningService _helperServiceForDevice:0x0]
84353 ms |   |   | - [AKAnisetteProvisioningService _nativeAnisetteService]
84353 ms |   |   | - [AKNativeAnisetteService initWithClient:0x125e2b900]
84353 ms |   |   | - [AKNativeAnisetteService fetchAnisetteDataAndProvisionIfNecessary:0x1 withCompletion:0x16b31a2a0]
84353 ms +[AKNativeAnisetteService lastKnownActiveAnisetteDSID]
84353 ms | +[AKURLBag bagForAltDSID:0x0]
84353 ms |   | +[AKURLBag sharedBag]
84353 ms | - [AKURLBag lastKnownIDMSEnvironment]
84353 ms |   | +[AKConfiguration sharedConfiguration]
84353 ms |   | - [AKConfiguration lastKnownIDMSEnvironment]
84353 ms |   |   | - [AKConfiguration configurationValueForKey:0x1ea6f0118]
84353 ms |   | +[AKNativeAnisetteService activeAnisetteDSIDWithEnvironment:0x0]
84353 ms - [AKNativeAnisetteService _unsafe_anisetteDataWithRoutingInfoForDSID:0xffffffffffff withError:0x16b31a8a8]
84353 ms | +[AKADIPProxy getIDMSRoutingInfo:0x16b31a838 forDSID:0xffffffffffff withError:0x16b31a8a8]
84355 ms | - [AKNativeAnisetteService _unsafe_anisetteDataForDSID:0xffffffffffff withError:0x16b31a8a8]
84355 ms |   | +[AKADIPProxy requestOTPForDSID:0xffffffffffff withMid:0x16b31a7e8 outMidSize:0x16b31a7dc outOTP:0x16b31a7e0 outOTPSize:0x16b31a7d8]
84355 ms |   | +[AKADIPProxy dispose:0x125e325e0]
84355 ms |   | +[AKADIPProxy dispose:0x125e2b940]
84355 ms |   | - [AKAnisetteData setMachineID:0x125e2bf20]

```

```

84355 ms      |     | -[AKAnisetteData setOneTimePassword:0x125e2c070]
84355 ms      |     | -[AKAnisetteData setRoutingInfo:0x3050500]
84355 ms      -[NSXPConnection _interfaceForArgument:0x0 ofSelector:0x19d37a17a reply:0x1]
84355 ms      -[NSXPCCoder init]
84355 ms      -[AKAnisetteData encodeWithCoder:0x127819800]
84355 ms      -[NSXPCCoder dealloc]
84355 ms      -[AKAnisetteData .cxx_destruct]
84390 ms      -[AKURLSession URLSession:0x125e16f80 didReceiveChallenge:0x12694ab10 completionHandler:0x16b31a698]
84390 ms      | +[AKCertificatePinning isValidCertificateTrust:0x126949850 forHostname:0x12694a840]
84687 ms      -[NSXPConnection invalidationHandler]
84687 ms      -[NSXPConnection _additionalInvalidationHandler]
84688 ms      -[NSXPConnection setInvalidationHandler:0x0]
84688 ms      -[NSXPConnection setInterruptionHandler:0x0]
84688 ms      -[NSXPConnection setExportedObject:0x0]
84688 ms      | -[AKAnisetteProvisioningService .cxx_destruct]
84688 ms      | | -[AKNativeAnisetteService .cxx_destruct]
84689 ms      | | -[AKClient .cxx_destruct]
/* TID 0x9e33 */
84689 ms      -[NSXPCListener serviceName]
84689 ms      -[NSXPConnection init]
84689 ms      -[NSXPCListener delegate]
84689 ms      -[NSXPCListener delegate]
84689 ms      -[AKDaemonConnectionManager listener:0x126907500 shouldAcceptNewConnection:0x126a04b30]
84689 ms      | -[AKClient initWithConnection:0x126a04b30]
84689 ms      | -[AKDaemonConnectionManager shouldAllowClient:0x126a10290 logging:0x16b432598]
84689 ms      | | -[AKClient hasWriteAccess]
84689 ms      | | | -[AKClient _boolValueForEntitlement:0x10503a2b0]
84689 ms      | | | | -[NSXPConnection valueForEntitlement:0x10503a2b0]
84689 ms      | | | | -[NSXPConnection auditToken]
84690 ms      | | -[AKClient description]
84690 ms      | | | -[AKClient name]
84690 ms      | | | | -[NSXPConnection processIdentifier]
84690 ms      | | | | -[NSXPConnection processIdentifier]
84690 ms      | | -[AKAnisetteProvisioningService initWithClient:0x126a10290]
84690 ms      | | +[AKAbsintheSigner sharedSigner]
84690 ms      | | +[AKAttestationSigner sharedSigner]
84690 ms      | -[NSXPConnection setExportedObject:0x126a05f60]
84690 ms      | +[AKAnisetteProvisioningDaemonInterface XPCInterface]
84690 ms      | -[NSXPConnection setExportedInterface:0x125d16640]
84690 ms      | +[AKAnisetteProvisioningClientInterface XPCInterface]
84690 ms      | -[NSXPConnection setRemoteObjectInterface:0x125d16a50]
84690 ms      | -[NSXPConnection resume]
84691 ms      -[NSXPConnection _decodeAndInvokeMessageWithEvent:0x126a0c780 flags:0x21]
84691 ms      | -[NSXPCCoder init]
84691 ms      | -[NSXPConnection _selectorIsAllowed:0x19d37a17a isReply:0x0 methodSignature:0x16b4320d0 allowedClasses:0x16b4320d8]
84691 ms      | -[NSXPCCoder dealloc]
84691 ms      | -[NSXPConnection _methodSignatureForReplyBlockOfSelector:0x19d37a17a]
84691 ms      | -[AKAnisetteProvisioningService fetchAnisetteDataAndProvisionIfNecessary:0x1 device:0x0 completion:0x16b4322a0]
84691 ms      | | -[AKClient hasInternalPrivateAccess]
84691 ms      | | | -[AKClient hasInternalPrivateEntitlementAccess]

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84691 ms | | | | | -[AKClient hasInternalAccess]
84691 ms | | | | | | -[AKClient hasOwnerAccess]
84691 ms | | | | | | | -[AKClient _boolValueForEntitlement:0x10503a29
0]
84691 ms | | | | | | | | -[NSXPCCConnection valueForEntitlement:0x1
0503a290]
84691 ms | | | | | | | | | -[NSXPCCConnection auditToken]
/* TID 0x2767 */
84691 ms -[NSXPCCConnection dealloc]
/* TID 0x9e33 */
84692 ms | | | | | | | -[AKClient _boolValueForEntitlement:0x10503a270]
84692 ms | | | | | | | | -[NSXPCCConnection valueForEntitlement:0x10503a
270]
84692 ms | | | | | | | | | -[NSXPCCConnection auditToken]
84692 ms | | | | | -[AKAnisetteProvisioningService _fetchAnisetteDataAndProvisionIfNe
cessary:0x1 device:0x0 completion:0x16b4322a0]
84692 ms | | | | | | -[AKAnisetteProvisioningService _helperServiceForDevice:0x0]
84692 ms | | | | | | | -[AKAnisetteProvisioningService _nativeAnisetteService]
84692 ms | | | | | | | | -[AKNativeAnisetteService initWithClient:0x126a1029
0]
84692 ms | | | | | | | | | -[AKNativeAnisetteService fetchAnisetteDataAndProvisionIfNece
ssary:0x1 withCompletion:0x16b4322a0]
84692 ms +[AKNativeAnisetteService lastKnownActiveAnisetteDSID]
84692 ms | +[AKURLBag bagForAltDSID:0x0]
84692 ms | | +[AKURLBag sharedBag]
84692 ms | -[AKURLBag lastKnownIDMSEnvironment]
84692 ms | | +[AKConfiguration sharedConfiguration]
84692 ms | | | -[AKConfiguration lastKnownIDMSEnvironment]
84692 ms | | | | -[AKConfiguration configurationValueForKey:0x1ea6f0118]
84692 ms | | | | +[AKNativeAnisetteService activeAnisetteDSIDWithEnvironment:0x0]
84692 ms -[AKNativeAnisetteService _unsafe_anisetteDataWithRoutingInfoForDSID:0xffffffff
ffffffffffff withError:0x16b4328a8]
84692 ms | +[AKADIPProxy getIDMSRoutingInfo:0x16b432838 forDSID:0xffffffffffff
fffffe]
84693 ms | -[AKNativeAnisetteService _unsafe_anisetteDataForDSID:0xffffffffffff
fffffe withError:0x16b4328a8]
84693 ms | | +[AKADIPProxy requestOTPForDSID:0xffffffffffff
fffffe outMID:0x16b4327
e8 outMIDSize:0x16b4327dc outOTP:0x16b4327e0 outOTPSIZE:0x16b4327d8]
84693 ms | | | +[AKADIPProxy dispose:0x126a29160]
84693 ms | | | +[AKADIPProxy dispose:0x126a2aa70]
84693 ms | | | -[AKAnisetteData setMachineID:0x126a0c7d0]
84693 ms | | | -[AKAnisetteData setOneTimePassword:0x126a0c830]
84693 ms | | | -[AKAnisetteData setRoutingInfo:0x3050500]
84693 ms -[NSXPCTInterface _interfaceForArgument:0x0 ofSelector:0x19d37a17a reply:0x1]
84693 ms -[NSXPCCoder init]
84693 ms -[AKAnisetteData encodeWithCoder:0x128811000]
84693 ms -[NSXPCCoder dealloc]
84693 ms -[AKAnisetteData .cxx_destruct]
84866 ms -[AKURLSession URLSession:0x125e16f80 dataTask:0x126a23790 didReceiveData:0x
125d86ce0]
84866 ms | -[AKURLDataTask receivedData]
84867 ms | -[AKURLDataTask setReceivedData:0x125d87560]
/* TID 0x2767 */
84868 ms -[AKURLSession URLSession:0x125e16f80 task:0x126a23790 didCompleteWithError:
0x0]
84868 ms | -[AKURLSession _unsafe_completeTask:0x126b043e0 withError:0x0]
84868 ms | | -[AKURLDataTask underlyingTask]

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84868 ms | | | -[AKURLDataTask _completeWithError:0x0]
84868 ms | | | | -[AKURLDataTask setCanceledOrCompleted:0x1]
84868 ms | | | | -[AKURLDataTask receivedData]
84869 ms -[AKURLDataTask description]
84869 ms -[AKGrandSlamRequestProvider validateResponseData:0x125d87560 error:0x16b31a
de8]
84869 ms | -[AKURLRequestProviderImpl validateResponseData:0x125d87560 error:0x16b
31ade8]
84869 ms | | -[AKURLRequestProviderImpl _validateDataExists:0x125d87560]
84869 ms | | -[AKURLRequestProviderImpl _validateResponseBodyFormat]
84869 ms | | | -[AKGrandSlamRequestProvider expectedResponseType]
84870 ms | | | -[AKURLRequestProviderImpl _validateErrorCode:0x9b85aafdd9ffd30d w
ithKey:0x1ea6eeb58]
84870 ms -[AKAppleIDAuthenticationContext username]
84870 ms -[AKAppleIDAuthenticationService _correlateContext:0x126a0bf00 withAuthMode:
0x1]
84870 ms | -[AKAppleIDAuthenticationContext setAuthenticationMode:0x1]
84870 ms | -[AKAppleIDAuthenticationContext authenticationType]
84870 ms -[AKAppleIDAuthenticationContext username]
84870 ms -[AKAppleIDAuthenticationContext authenticationType]
84870 ms -[AKAuthenticationUILiaison presentBasicLoginUIForContext:0x126a0bf00 client
:0x1269481d0 completion:0x16b31ab40]
84871 ms | +[AKCAAuthPromptReporter reportPromptByClient:0x1269481d0 withContext:0
x126a0bf00]
84871 ms | | -[AKAppleIDAuthenticationContext isFirstTimeLogin]
84871 ms | +[AKAutoBugCapture shouldCapturePromptBugForContext:0x126a0bf00]
84871 ms | | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
84871 ms | -[AKAuthenticationUILiaison _performBlockWithClient:0x1269481d0 context
:0x126a0bf00 requireFullUICapability:0x0 allowRedirectToSettings:0x1 block:0x16b31aac0]
84871 ms | | -[AKAppleIDAuthenticationContext _capabilityForUIDisplay]
84871 ms | | -[AKAppleIDAuthenticationContext _performUIOutOfProcess]
84872 ms | | -[AKAppleIDAuthenticationContext _performUIOutOfProcess]
84872 ms -[AKURLDataTask .cxx_destruct]
84872 ms | -[AKAppleIDSesson .cxx_destruct]
/* TID 0x4a03 */
84872 ms -[AKClient proxyWithErrorHandler:0x16b4beda0]
84872 ms | -[NSXPCCConnection remoteObjectProxyWithErrorHandler:0x16b4beda0]
84872 ms | | -[NSXPCCConnection _remoteObjectInterfaceClass]
84872 ms | | | -[NSXPCInterface _customSubclass]
84873 ms -[NSXPCCConnection _sendSelector:0x19d20bd88 withProxy:0x12688ae80 arg1:0x126
a0bf00 arg2:0x16b4bed70]
84873 ms | -[NSXPCInterface _methodSignatureForRemoteSelector:0x19d20bd88]
84873 ms | -[NSXPCCConnection _sendInvocation:0x0 orArguments:0x16b4bece8 count:0x2
methodSignature:0x9d85aafdd9ff885f selector:0x19d20bd88 withProxy:0x12688ae80]
84873 ms | | -[NSXPCInterface _interfaceForArgument:0x0 ofSelector:0x19d20bd88
reply:0x0]
84873 ms | | | -[NSXPCCoder init]
/* TID 0x2767 */
84873 ms | | | -[AKAnisetteProvisioningController dealloc]
84874 ms | | | | -[NSXPCCConnection invalidate]
/* TID 0x4a03 */
84874 ms | | | -[AKAppleIDAuthenticationContext encodeWithCoder:0x12701d000]
/* TID 0x2767 */
84874 ms | | | | -[AKAnisetteProvisioningController .cxx_destruct]
/* TID 0x2ee7 */
84874 ms -[NSXPCCConnection invalidationHandler]

```

```

84874 ms -[NSXPCCConnection _additionalInvalidationHandler]
84874 ms -[NSXPCCConnection setInvalidationHandler:0x0]
/* TID 0x9e33 */
84874 ms -[NSXPCCConnection invalidationHandler]
/* TID 0x2ee7 */
84875 ms -[NSXPCCConnection setInterruptionHandler:0x0]
/* TID 0x9e33 */
84875 ms -[NSXPCCConnection _additionalInvalidationHandler]
/* TID 0x4a03 */
84875 ms | | -[NSXPCCoder dealloc]
/* TID 0x9e33 */
84875 ms -[NSXPCCConnection setInvalidationHandler:0x0]
84876 ms -[NSXPCCConnection setInterruptionHandler:0x0]
84876 ms -[NSXPCCConnection setExportedObject:0x0]
/* TID 0x4a03 */
84876 ms | | -[NSXPCInterface _hasProxiesInReplyBlockArgumentsOfSelector:0x19d2
0bd88]
/* TID 0x2767 */
84876 ms -[AKServiceControllerImpl .cxx_destruct]
84876 ms | -[AKURLRequestProviderImpl .cxx_destruct]
/* TID 0x9e33 */
84876 ms -[NSXPCCConnection dealloc]
/* TID 0x2ee7 */
84877 ms -[NSXPCCConnection setExportedObject:0x0]
84877 ms | -[AKAnisetteProvisioningService .cxx_destruct]
84877 ms | | -[AKNativeAnisetteService .cxx_destruct]
84877 ms | | -[AKClient .cxx_destruct]
84877 ms -[NSXPCCConnection dealloc]
/* TID 0x4a03 */
84959 ms -[NSXPCCConnection invalidationHandler]
84959 ms -[NSXPCCConnection _additionalInvalidationHandler]
84959 ms -[NSXPCCConnection setInvalidationHandler:0x0]
84959 ms -[NSXPCCConnection setInterruptionHandler:0x0]
84959 ms -[NSXPCCConnection setExportedObject:0x0]
84959 ms | -[AKAnisetteProvisioningService .cxx_destruct]
84959 ms | | -[AKNativeAnisetteService .cxx_destruct]
84959 ms | | -[AKClient .cxx_destruct]
84959 ms -[NSXPCCConnection dealloc]
114739 ms -[NSXPCCConnection invalidate]
/* TID 0x9e33 */
114740 ms -[NSXPCCConnection invalidationHandler]
114740 ms -[NSXPCCConnection _additionalInvalidationHandler]
114740 ms -[NSXPCCConnection setInvalidationHandler:0x0]
114740 ms -[NSXPCCConnection setInterruptionHandler:0x0]
114740 ms -[NSXPCCConnection setExportedObject:0x0]
114740 ms -[NSXPCInterface dealloc]
114740 ms -[ACTrackedXPCCConnection dealloc]
114740 ms | -[NSXPCCConnection dealloc]

```

Preferences中Apple账号登录全过程

用 frida-trace 追踪 Preferences 中

用 frida-trace 去追踪， Preferences =包名 com.apple.Preferences 中的：

- Apple账号登录的完整过程
 - 第一步：输入账号，点击下一步=账号验证过程
 - 第二步：输入密码，点击下一步=账号登录过程

中的函数调用：

frida命令

```
frida-trace -U -F com.apple.Preferences -O Preferences_accountLogin_hook.txt
```

- Option文件 Preferences_accountLogin_hook.txt 的内容

```
-m "*[AA* *]"
-m "*[AK* *]"
-m "*[AMS* *]"
-m "*[AS* *]"
-m "*[AC* *]"
-m "*[NSError *]"
-M "-[* classForCoder]"
-M "-[* classForKeyedArchiver]"
-M "-[AAUISignInViewController numberOfSectionsInTableView:]"
-M "-[AAUISignInViewController tableView:]"
-M "-[NSPath* *]"
-M "-[* copyWithZone:]"
-M "-[*NSCFString *]"
-M "-[*NSCFError *]"
-M "-[* *ayoutSubviews]"
-M "-[* intrinsicContentSize]"
-M "-[* viewForLastBaselineLayout]"
-M "-[* contentLayoutGuide]"
-M "-[* _updateStyleIfNeeded]"
-M "-[* _updateStackViewSpacing]"
-M "-[* _updateLabelFonts]"
-M "-[AAUILabel *]"
-M "-[AAUIBuddyView *]"
-M "-[AAUIHeaderView *]"
-M "-[* .cxx_destruct]"
-M "-[* dealloc]"
-M "-[* supportsSecureCoding]"
-M "-[* initWithCoder:]"
-M "-[ACAccountStore _clearAccountCaches]"
```

输出

```

...
-[NSURLSession encodeWithCoder:]: Loaded handler at "/Users/crifan/dev/dev_root/iosRevers
e/AppleStore/Preferences_app/dynamicDebug/frida/frida-trace/_handlers__/_NSURLSession/enc
odeWithCoder_.js"
Started tracing 23636 functions. Press Ctrl+C to stop.
    /* TID 0x103 */
15708 ms -[AAUISignInController initWithNibName:0x0 bundle:0x0]
15709 ms | -[AAUISignInController _commonInit]
15709 ms | | -[AAUISignInController setCanEditUsername:0x1]
15716 ms -[AAUISignInController viewDidLoad]
15716 ms | -[AAUISignInController _signInViewController]
15716 ms | | +[AAPersonaUtility verifyAndFixPersonaIfNeeded:0x28073b880 desired
Context:0x281024ae0]
15716 ms | | | -[AAUISignInViewController initWithNibName:0x0 bundle:0x0]
15716 ms | | | -[AAUISignInController serviceType]
15716 ms | | | -[AAUISignInViewController _setAkServiceType:0x0]
15716 ms | | | -[AAUISignInViewController setUsername:0x0]
15716 ms | | | -[AAUISignInController privacyLinkIdentifiers]
15716 ms | | | -[AAUISignInViewController setPrivacyLinkIdentifiers:0x281024fa0]
15716 ms | | | -[AAUISignInController serviceType]
15716 ms | | | -[AAUISignInController _allowsAccountCreationForService:0x0]
15716 ms | | | -[AAUISignInViewController setAllowsAccountCreation:0x1]
15716 ms | | | -[AAUISignInViewController setDelegate:0x103812200]
15717 ms | | | -[AAUISignInController serviceType]
15717 ms | | | -[AAUISignInController _showsServiceIconsForService:0x0]
15717 ms | | | -[AAUISignInViewController setShowServiceIcons:0x1]
15717 ms | | | -[AAUISignInViewController messageLabel]
15717 ms | | | | -[AAUISignInViewController _accountsHeaderView]
15717 ms | | | | | -[AAUISignInViewController authenticationContext]
15717 ms | | | | | | -[AKAppleIDAuthenticationContext init]
15717 ms | | | | | | | -[AKAppleIDAuthenticationContext _initWithiden
tifier:0x281321340]
15717 ms | | | | | | | | -[AKAppleIDAuthenticationContext description]
15717 ms | | | | | | | | -[AKAppleIDAuthenticationContext setAuthenticatio
nType:0x2]
15717 ms | | | | | | | | | -[AKAppleIDAuthenticationContext setFirstTimeLogin:
0x1]
15717 ms | | | | | | | | | -[AKAppleIDAuthenticationInAppContext setPresenting
ViewController:0x10400ce10]
15717 ms | | | | | | | | | | -[AAUISignInViewController _akServiceType]
15717 ms | | | | | | | | | | -[AKAppleIDAuthenticationContext setServiceType:0x0
]
15717 ms | | | | | | | | | | | -[AKAppleIDAuthenticationContext setShouldOfferSecu
rityUpgrade:0x0]
15717 ms | | | | | | | | | | | -[AKAppleIDAuthenticationContext setShouldUpdatePer
sistentServiceTokens:0x1]
15717 ms | | | | | | | | | | | -[AAUISignInViewController _shouldAnticipatePiggyba
cking]
15717 ms | | | | | | | | | | | | +[AAUIHeaderView requiresConstraintBasedLayout]
15718 ms | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext title]
15719 ms | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext reason]
15719 ms | | | | | | | | | | | | | | -[AAUISignInController serviceType]
15719 ms | | | | | | | | | | | | | | | -[AAUISignInController _messageStringForService:0x0]
15719 ms | | | | | | | | | | | | | | | | -[AAUISignInController _isAuthenticatingPrimary:0x1ecb2df10]
15719 ms | | | | | | | | | | | | | | | | | -[AAUISignInController serviceType]
15719 ms | | | | | | | | | | | | | | | | | -[AAUISignInController _serviceOwnersManager]

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```

15719 ms | | | | -[ACAccountStore init]
15719 ms | | | | -[ACAccountStore initWithRemoteEndpoint:0x0 effectiveBundleID:0x0]
15719 ms | | | | +[ACTimedExpirer expirerWithTimeout:0x1e]
15719 ms | | | | | -[ACTimedExpirer init]
15719 ms | | | | +[ACTimedExpirer expirerWithTimeout:0x1e]
15719 ms | | | | | -[ACTimedExpirer init]
15719 ms | | | | +[ACNotificationRebroadcaster sharedRebroadcaster]
15720 ms | | | | +[AACloudServiceOwner supportedServices]
15720 ms | | | | | +[AACloudServiceOwner _serviceTypeForPlatform]
15720 ms | | | | -[AACloudServiceOwner initWithAccountStore:0x2839291f0]
15720 ms | | | | -[AACloudServiceOwner accountForService:0x1ecb2df10]
15720 ms | | | | | +[AACloudServiceOwner _serviceTypeForPlatform]
15720 ms | | | | -[ACAccountStore aa_primaryAppleAccount]
15720 ms | | | | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x2810252f0 preloadedProperties:0x0 error:0x0]
15720 ms | | | | | | -[ACAccountStore remoteAccountStoreSession]
15720 ms | | | | | | | -[ACAccountStore connectionDelegate]
15720 ms | | | | | | | -[ACRemoteAccountStoreSession initWithListenerEndpoint:0x0 delegate:0x0]
15720 ms | | | | | | | | -[ACAccountStoreClientSideListener initWithDelegate:0x0]
15720 ms | | | | | | | | | -[ACAccountStore effectiveBundleID]
15720 ms | | | | | | | | | -[ACRemoteAccountStoreSession setEffectiveBundleID:0x0]
15720 ms | | | | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fd69750]
15720 ms | | | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
15720 ms | | | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x16fd69730]
15720 ms | | | | | | | | | | -[ACRemoteAccountStoreSession _connection]
15720 ms | | | | | | | | | | | -[ACTrackedXPCCConnection init]
15720 ms | | | | | | | | | | | +[ACRemoteAccountStoreInterface XPCIinterface]
15721 ms | | | | | | | | | | | -[ACRemoteAccountStoreSession _lockdown_configureRemoteAccountStoreWithConnection:0x28233c1e0]
15729 ms | | | | | -[AAUISignInViewController _setShouldAnticipatePiggybacking:0x1]
15729 ms | | | | | -[AAUISignInViewController _setAkServiceType:0x1]
15740 ms | -[AAUISignInViewController loadView]
15740 ms | | +[AAUIBuddyView requiresConstraintBasedLayout]
15741 ms | -[AAUISignInViewController viewDidLoad]
15741 ms | | -[AAUISignInViewController authenticationContext]
15741 ms | | | -[AKAppleIDAuthenticationContext init]
15741 ms | | | | -[AKAppleIDAuthenticationContext _initWithIdentifier:0x281644c40]
15741 ms | | | | -[AKAppleIDAuthenticationContext description]
15741 ms | | | | -[AKAppleIDAuthenticationContext setAuthenticationType:0x2]
15741 ms | | | | -[AKAppleIDAuthenticationContext setFirstTimeLogin:0x1]
15741 ms | | | | -[AKAppleIDAuthenticationInAppContext setPresentingViewController:0x10400ce10]
15741 ms | | | | -[AAUISignInViewController _akServiceType]
15741 ms | | | | -[AKAppleIDAuthenticationContext setServiceType:0x1]
15741 ms | | | | -[AKAppleIDAuthenticationContext setShouldOfferSecurityUpgrade:0x0]

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15741 ms | | -[AKAppleIDAuthenticationContext setShouldUpdatePersistentServiceTokens:0x1]
15741 ms | | -[AAUISignInViewController _shouldAnticipatePiggybacking]
15741 ms | | -[AKAppleIDAuthenticationContext setAnticipateEscrowAttempt:0x1]
15741 ms | | -[AKAppleIDAuthenticationContext setShouldOfferSecurityUpgrade:0x1]
]
15741 ms | | -[AKAppleIDAuthenticationContext setSupportsPiggybacking:0x1]
15741 ms | -[AKAppleIDAuthenticationContext proxiedDevice]
15741 ms | -[AAUISignInViewController _cancelBarButtonItem]
15742 ms | -[AAUISignInViewController _nextBarButtonItem]
15742 ms | -[AAUISignInViewController _tableView]
15743 ms | -[AAUISignInViewController _updateConstraintsForTraitCollection:0x282b1aa00]
15744 ms -[AAUISignInViewController viewWillAppear:0x1]
15744 ms | -[AAUISignInViewController _beginObservingTextFieldDidChangeNotifications]
15744 ms | -[AAUISignInViewController _beginObservingKeyboardWillShowNotifications]
]
15744 ms | -[AAUISignInViewController _beginObservingSizeCategoryNotification]
15744 ms | -[AAUISignInViewController _setEnabled:0x1]
15744 ms | | -[AAUISignInViewController _hasValidCredentials]
15744 ms | | -[AAUISignInViewController _setUsernameCellWaiting:0x0]
15744 ms | +[AAUISignInViewController phoneNumberSupportedWithCompletion:0x16fd67ed8]
/* TID 0x1503 */
15744 ms +[AKURLBag sharedBag]
15744 ms -[AKURLBag isPhoneNumberSupportedConfig]
15744 ms | -[AKURLBag configurationAtKey:0x1e8b198f8]
15744 ms | | -[AKURLBag configurationAtKey:0x1e8b198f8 fromCache:0x0]
15744 ms | | | -[AKURLBag _configurationsFromCache:0x0 withError:0x0]
15744 ms | | | | -[AKURLBag _urlBagFromCache:0x0 withError:0x0]
15744 ms | | | | | -[AKURLBag bagProvider]
15744 ms | | | | | | -[AKAppleIDAuthenticationController init]
15744 ms | | | | | | | -[AKAppleIDAuthenticationController initWithIdentifier:0x0 daemonXPCEEndpoint:0x0]
15744 ms | | | | | | | | -[AKAppleIDAuthenticationContextManager initWithAuthenticationController:0x280781f40]
15744 ms | | | | | | | | | -[AKURLBag altDSID]
15744 ms | | | | | | | | | -[AKAppleIDAuthenticationController _urlBagFromCache:0x0 altDSID:0x0 withError:0x0]
15744 ms | | | | | | | | | | -[AKAppleIDAuthenticationController _authenticationServiceConnection]
15744 ms | | | | | | | | | | | +[AKAppleIDAuthenticationDaemonInterface XPCInterface]
15744 ms | | | | | | | | | | | +[AKAppleIDAuthenticationClientInterface XPCInterface]
/* TID 0x103 */
15752 ms -[AAUISignInViewController traitCollectionDidChange:0x282b29ce0]
15752 ms -[AAUISignInViewController _updateContentInsetWithHeight:0x282b69260]
15752 ms -[AAUISignInViewController _showOnlyPassword]
15752 ms -[AAUISignInViewController _usernameCell]
15756 ms -[AAUISignInViewController _tableHeaderView]
15756 ms | -[AAUISignInViewController _accountsHeaderView]
15757 ms | | -[AAUISignInViewController authenticationContext]
15757 ms | | | -[AKAppleIDAuthenticationContext init]
15757 ms | | | | -[AKAppleIDAuthenticationContext _initWithIdentifier:0x2

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816436c0]
15757 ms | | | | -[AKAppleIDAuthenticationContext description]
15757 ms | | | | -[AKAppleIDAuthenticationContext setAuthenticationType:0x2]
15757 ms | | | | -[AKAppleIDAuthenticationContext setFirstTimeLogin:0x1]
15757 ms | | | | -[AKAppleIDAuthenticationInAppContext setPresentingViewContro
ller:0x10400ce10]
15757 ms | | | | -[AAUISignInViewController _akServiceType]
15757 ms | | | | -[AKAppleIDAuthenticationContext setServiceType:0x1]
15757 ms | | | | -[AKAppleIDAuthenticationContext setShouldOfferSecurityUpgrad
e:0x0]
15757 ms | | | | -[AKAppleIDAuthenticationContext setShouldUpdatePersistentSer
viceTokens:0x1]
15757 ms | | | | -[AAUISignInViewController _shouldAnticipatePiggybacking]
15757 ms | | | | -[AKAppleIDAuthenticationContext setAnticipateEscrowAttempt:0
x1]
15757 ms | | | | -[AKAppleIDAuthenticationContext setShouldOfferSecurityUpgrad
e:0x1]
15757 ms | | | | -[AKAppleIDAuthenticationContext setSupportsPiggybacking:0x1]
15757 ms | -[AAUISignInViewController constrainView:0x10400d440 toFillHeaderFooter
View:0x1006a4610]
15760 ms |-[AAUISignInViewController _tableFooterView]
15760 ms | +[AAUIBuddyView requiresConstraintBasedLayout]
15760 ms | -[AAUISignInViewController allowsAccountCreation]
15760 ms | -[AAUIServiceIconView initWithFrame:0x0]
15760 ms | | +[AAUIServiceIconView iconNames]
15761 ms | -[AAUISignInViewController showServiceIcons]
15761 ms | -[AAUITextView initWithFrame:0x0]
15763 ms | | -[AAUITextView _commonInit]
15763 ms | -[AAUISignInViewController _stringForFooter]
15763 ms | | -[AAUISignInViewController _isGreenTeaCapable]
15765 ms | -[AAUISignInViewController privacyLinkIdentifiers]
15765 ms | -[AAUISignInViewController privacyLinkIdentifiers]
15765 ms | -[AAUISignInViewController privacyLinkIdentifiers]
15772 ms | -[AAUISignInViewController constrainView:0x100688290 toFillHeaderFooter
View:0x1006e63b0]
15779 ms |-[AAUIServiceIconView didMoveToWindow]
15800 ms |-[AAUISignInViewController _usernameCell]
16302 ms |-[AAUISignInController viewDidAppear:0x1]
/* TID 0x1507 */
60710 ms |-[ACTimedExpirer _cancelTimer]
60710 ms | | -[ACTimedExpirer _unsafeCancelTimer]
60710 ms |-[ACAccountStoreClientSideListener connectionWasInvalidated]
/* TID 0x103 */
91748 ms |+[NSError errorWithDomain:0x1f61f0160 code:0x2 userInfo:0x0]
91748 ms | | -[NSError initWithDomain:0x1f61f0160 code:0x2 userInfo:0x0]
91748 ms |+[NSError errorWithDomain:0x1f61f01c0 code:0x104 userInfo:0x28164c600]
91748 ms | | -[NSError initWithDomain:0x1f61f01c0 code:0x104 userInfo:0x28164c600]
91789 ms |+[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
91789 ms | | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
91839 ms |-[AAUISignInViewController _keyboardWillShow:0x2816aab40]
91839 ms | | -[AAUISignInViewController _updateContentInsetWithHeight:0x1f095f050]
91840 ms |-[AAUISignInViewController _keyboardWillShow:0x2816aab40]
91841 ms | | -[AAUISignInViewController _updateContentInsetWithHeight:0x1f095f050]
93554 ms |-[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRan
ge:0x0 replacementString:0x0]
93554 ms | | -[AAUISignInViewController _isPasswordFieldVisible]

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93554 ms      |    | -[AAUISignInViewController _showOnlyPassword]
93563 ms  -[AAUISignInViewController _textFieldDidChange:0x281694e40]
93563 ms      |    | -[AAUISignInViewController _isValidCredentials]
93897 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x1 replacementString:0x0]
93897 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
93897 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
93907 ms  -[AAUISignInViewController _textFieldDidChange:0x281658920]
93908 ms      |    | -[AAUISignInViewController _isValidCredentials]
94231 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x3 replacementString:0x0]
94231 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
94231 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
94240 ms  -[AAUISignInViewController _textFieldDidChange:0x281658de0]
94240 ms      |    | -[AAUISignInViewController _isValidCredentials]
94496 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x5 replacementString:0x0]
94497 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
94497 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
94505 ms  -[AAUISignInViewController _textFieldDidChange:0x281658d20]
94505 ms      |    | -[AAUISignInViewController _isValidCredentials]
94767 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x6 replacementString:0x0]
94767 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
94767 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
94778 ms  -[AAUISignInViewController _textFieldDidChange:0x281261de0]
94778 ms      |    | -[AAUISignInViewController _isValidCredentials]
94827 ms  -[AAUISignInViewController _textFieldDidChange:0x2816b05e0]
94827 ms      |    | -[AAUISignInViewController _isValidCredentials]
95134 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x0 replacementString:0x5]
95134 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
95134 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
95137 ms  -[AAUISignInViewController _textFieldDidChange:0x2816a2ca0]
95137 ms      |    | -[AAUISignInViewController _isValidCredentials]
95140 ms  -[AAUISignInViewController _textFieldDidChange:0x2816a2e00]
95140 ms      |    | -[AAUISignInViewController _isValidCredentials]
95164 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x5 replacementString:0x0]
95165 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
95165 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
95169 ms  -[AAUISignInViewController _textFieldDidChange:0x28164ece0]
95169 ms      |    | -[AAUISignInViewController _isValidCredentials]
95482 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x6 replacementString:0x0]
95482 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
95482 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
95492 ms  -[AAUISignInViewController _textFieldDidChange:0x281659b60]
95493 ms      |    | -[AAUISignInViewController _isValidCredentials]
95863 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x7 replacementString:0x0]
95863 ms      |    | -[AAUISignInViewController _isPasswordFieldVisible]
95863 ms      |    |    | -[AAUISignInViewController _showOnlyPassword]
95876 ms  -[AAUISignInViewController _textFieldDidChange:0x281262a40]
95876 ms      |    | -[AAUISignInViewController _isValidCredentials]
96164 ms  -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:

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ge:0x9 replacementString:0x0]
96164 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
96164 ms      |      | -[AAUISignInViewController _showOnlyPassword]
96173 ms      -[AAUISignInViewController _textFieldDidChange:0x2816b9480]
96174 ms      | -[AAUISignInViewController _hasValidCredentials]
96462 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0xa replacementString:0x0]
96462 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
96462 ms      |      | -[AAUISignInViewController _showOnlyPassword]
96470 ms      -[AAUISignInViewController _textFieldDidChange:0x28125c800]
96470 ms      | -[AAUISignInViewController _hasValidCredentials]
96812 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0xc replacementString:0x0]
96813 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
96813 ms      |      | -[AAUISignInViewController _showOnlyPassword]
96826 ms      -[AAUISignInViewController _textFieldDidChange:0x28165ba80]
96826 ms      | -[AAUISignInViewController _hasValidCredentials]
97081 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0xd replacementString:0x0]
97081 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
97081 ms      |      | -[AAUISignInViewController _showOnlyPassword]
97091 ms      -[AAUISignInViewController _textFieldDidChange:0x2816bc6c0]
97091 ms      | -[AAUISignInViewController _hasValidCredentials]
97352 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x6 replacementString:0x8]
97353 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
97353 ms      |      | -[AAUISignInViewController _showOnlyPassword]
97355 ms      -[AAUISignInViewController _textFieldDidChange:0x2816bd940]
97355 ms      | -[AAUISignInViewController _hasValidCredentials]
97358 ms      -[AAUISignInViewController _textFieldDidChange:0x2816beb40]
97358 ms      | -[AAUISignInViewController _hasValidCredentials]
97385 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0xc replacementString:0x0]
97385 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
97385 ms      |      | -[AAUISignInViewController _showOnlyPassword]
97393 ms      -[AAUISignInViewController _textFieldDidChange:0x281644580]
97393 ms      | -[AAUISignInViewController _hasValidCredentials]
97610 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0xd replacementString:0x0]
97611 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
97611 ms      |      | -[AAUISignInViewController _showOnlyPassword]
97619 ms      -[AAUISignInViewController _textFieldDidChange:0x2816b2d60]
97619 ms      | -[AAUISignInViewController _hasValidCredentials]
97860 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0xe replacementString:0x0]
97861 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
97861 ms      |      | -[AAUISignInViewController _showOnlyPassword]
97868 ms      -[AAUISignInViewController _textFieldDidChange:0x2816bb220]
97869 ms      | -[AAUISignInViewController _hasValidCredentials]
98077 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0xf replacementString:0x0]
98077 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
98077 ms      |      | -[AAUISignInViewController _showOnlyPassword]
98086 ms      -[AAUISignInViewController _textFieldDidChange:0x2816b2dc0]
98086 ms      | -[AAUISignInViewController _hasValidCredentials]
98632 ms      -[AAUISignInViewController textField:0x1020abe00 shouldChangeCharactersInRange:0x10 replacementString:0x0]

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ge:0xd replacementString:0x4]
98632 ms      | -[AAUISignInViewController _isPasswordFieldVisible]
98632 ms      | | -[AAUISignInViewController _showOnlyPassword]
98635 ms      -[AAUISignInViewController _textFieldDidChange:0x2816b1f40]
98635 ms      | -[AAUISignInViewController _hasValidCredentials]
98638 ms      -[AAUISignInViewController _textFieldDidChange:0x28164bf60]
98638 ms      | -[AAUISignInViewController _hasValidCredentials]
99358 ms      -[AAUISignInViewController _nextButtonSelected:0x10067b1a0]
99358 ms      | -[AAUISignInViewController _attemptAuthentication]
99359 ms      | | -[AAUISignInViewController _isPasswordFieldVisible]
99359 ms      | | | -[AAUISignInViewController _showOnlyPassword]
99359 ms      | | -[AAUISignInViewController authenticationContext]
99359 ms      | | | -[AKAppleIDAuthenticationContext init]
99359 ms      | | | | -[AKAppleIDAuthenticationContext initWithIdentifier:0x2
81647760]
99359 ms      | | | | -[AKAppleIDAuthenticationContext description]
99359 ms      | | | | -[AKAppleIDAuthenticationContext setAuthenticationType:0x2]
99359 ms      | | | | -[AKAppleIDAuthenticationContext setFirstTimeLogin:0x1]
99360 ms      | | | | -[AKAppleIDAuthenticationInAppContext setPresentingViewContro
ller:0x10400ce10]
99360 ms      | | | | -[AAUISignInViewController _akServiceType]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setServiceType:0x1]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setShouldOfferSecurityUpgrad
e:0x0]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setShouldUpdatePersistentSer
viceTokens:0x1]
99360 ms      | | | | -[AAUISignInViewController _shouldAnticipatePiggybacking]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setAnticipateEscrowAttempt:0
x1]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setShouldOfferSecurityUpgrad
e:0x1]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setSupportsPiggybacking:0x1]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setNeedsCredentialRecovery:0x0]
99360 ms      | | | | -[AKAppleIDAuthenticationContext setNeedsNewAppleID:0x0]
99361 ms      | | | | -[AKAppleIDAuthenticationContext setUsername:0x281ce7930]
99361 ms      | | | | -[AKAppleIDAuthenticationContext setPassword:0x0]
99361 ms      | | | | -[AKAppleIDAuthenticationInAppContext setPasswordDelegate:0x10400
ce10]
99361 ms      | | | | -[AAUISignInViewController _isRunningInSettings]
99361 ms      | | | | -[AKAppleIDAuthenticationContext setAppProvidedContext:0x1e8b17118
]
99361 ms      | | | | -[AAUISignInViewController _attemptAuthenticationWithContext:0x104
10b850]
99361 ms      | | | | | -[AAUISignInViewController _setEnabled:0x0]
99390 ms      | | | | | -[AAUISignInViewController _keyboardWillShow:0x28125d800
]
99390 ms      | | | | | -[AAUISignInViewController _updateContentInsetWithH
eight:0x1f095f050]
99392 ms      | | | | | -[AAUISignInViewController _keyboardWillHide:0x28125d800
]
99392 ms      | | | | | -[AAUISignInViewController _updateContentInsetWithH
eight:0x1f095f050]
99393 ms      | | | | | | -[AAUISignInViewController _setUsernameCellWaiting:0x1]
99394 ms      | | | | | | -[AAUISignInViewController _showOnlyPassword]
99396 ms      | | | | | -[AAUISignInController willAuthenticateWithContext:0x10410b85
0]

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99396 ms | | | +[AAPersonaUtility verifyAndFixPersonaIfNeeded:0x2807395c0 de
siredContext:0x281025010]
99396 ms | | | -[AKAppleIDAuthenticationController init]
99396 ms | | | | -[AKAppleIDAuthenticationController initWithIdentifier:0
x0 daemonXPCEndpoint:0x0]
99396 ms | | | | | -[AKAppleIDAuthenticationContextManager initWithAut
henticationController:0x280739600]
99396 ms | | | | | -[AKAppleIDAuthenticationController authenticateWithContext:0
x10410b850 completion:0x16fd69010]
99397 ms | | | | | | -[AKAppleIDAuthenticationContext authenticationType]
99397 ms | | | | | | -[AKAppleIDAuthenticationContext _proxiedAppBundleID]
99397 ms | | | | | | -[AKAppleIDAuthenticationContextManager registerContext:
0x10410b850]
99397 ms | | | | | | | -[AKAppleIDAuthenticationContext _identifier]
99397 ms | | | | | | | -[AKAppleIDAuthenticationContext debugDescription]
99397 ms | | | | | | | | -[AKAppleIDAuthenticationContext _shouldSkipInitial
ReachabilityCheck]
/* TID 0xc533 */
99397 ms | | | | | | | | -[AKAppleIDAuthenticationContext _identifier]
/* TID 0x103 */
99397 ms | | | | | | | | | -[AKAppleIDAuthenticationController _authenticationServ
iceConnection]
99397 ms | | | | | | | | | | +[AKAppleIDAuthenticationDaemonInterface XPCInterfa
ce]
99397 ms | | | | | | | | | | +[AKAppleIDAuthenticationClientInterface XPCInterfa
ce]
99397 ms | | | | | | | | | | | -[AKAppleIDAuthenticationContext _sanitizedCopy]
99398 ms | | | | | | | | | | | | -[AKAppleIDAuthenticationContext init]
99398 ms | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext _initWithiden
tifier:0x28164e340]
99398 ms | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext description]
99398 ms | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext _capabilityForUIDi
splay]
99398 ms | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext _shouldSkipInitial
ReachabilityCheck]
99398 ms | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext isContextEligibleForSil
entAuth]
99398 ms | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext authenticationType
]
99398 ms | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext shouldPromptForPas
swordOnly]
99398 ms | | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext isEphemeral]
99398 ms | | | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext isUsernameEditable
]
99398 ms | | | | | | | | | | | | | | | | | | | | | -[AKAppleIDAuthenticationContext encodeWithCoder:0x11383
a600]
99399 ms | | | | | | | | | | | | | | | | | | | | +[AAPersonaUtility personaConsistencyCheck:0x2807395c0]
99399 ms | | | | | | | | | | | | | | | | | | | | | -[AAUISignInViewController _prewarmSignInFlowIfApplicable]
99399 ms | | | | | | | | | | | | | | | | | | | | | | -[AAUISignInViewController showServiceIcons]
99399 ms | | | | | | | | | | | | | | | | | | | | | | | -[AASignInFlowController init]
99399 ms | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore init]
99399 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore initWithRemoteEndpoint:0x0 effectiveBun
dleID:0x0]
99399 ms | | | | | | | | | | | | | | | | | | | | | | | | | | +[ACTimedExpirer expirerWithTimeout:0x1e]
99399 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer init]
99399 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | +[ACTimedExpirer expirerWithTimeout:0x1e]

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99399 ms | | | | | | | -[ACTimedExpirer init]
99399 ms | | | | | | +[ACNotificationRebroadcaster sharedRebroadcaster]
99400 ms | | | -[AASignInFlowController prewarmOperationsWithCompletion:0x0]
99400 ms | | | | +[AARemoteServer sharedServer]
99400 ms | | | | | -[AARemoteServer init]
99400 ms | | | | | | +[AAURLSession sharedSession]
99400 ms | | | | | | | -[AAURLSession _initRequiringSigning:0x0]
99402 ms | | | | | | | | -[AAURLSessionContext initRequiringSignin
g:0x0]
99402 ms | | | | | | | | | -[AKAppleIDSession initWithIdentifie
r:0x28164e980]
99402 ms | | | | | | | | | | -[AAURLSessionContext _initRequiring
Signing:0x0 appleIDSession:0x2807e81c0]
99405 ms | | | | | | | | | | | -[AKAppleIDSession initWithIdentifier:0x2
81cc6fa0]
99405 ms | | | | | | | | | | | | -[AAURLSessionContext _initRequiringSigni
ng:0x0 appleIDSession:0x280767d40]
99405 ms | | | | | | | | | | | | | -[AKAppleIDSession initWithIdentifier:0x2
81cc6fa0]
99405 ms | | | | | | | | | | | | | | -[AAURLSessionContext _initRequiringSigni
ng:0x0 appleIDSession:0x280762940]
99406 ms | | | | | | | | | | | | | | | -[AAURLSessionContext relevantHTTPStatusC
odes]
99406 ms | | | | | | | | | | | | | | | | -[AKAppleIDSession relevantHTTPStatu
sCodes]
99406 ms | | | | | | | | | | | | | | | | | +[AAURLSessionContext _relevantHTTPS
tatusCodes]
99406 ms | | | | | | | | | | | | | | | | | | +[AAURLSession sharedSigningSession]
99406 ms | | | | | | | | | | | | | | | | | | | -[AAURLSession _initRequiringSigning:0x1]
99406 ms | | | | | | | | | | | | | | | | | | | | -[AAURLSessionContext initRequiringSignin
g:0x1]
99406 ms | | | | | | | | | | | | | | | | | | | | | -[AKAppleIDSession initWithIdentifie
r:0x28164ed40]
99406 ms | | | | | | | | | | | | | | | | | | | | | | -[AAURLSessionContext _initRequiring
Signing:0x1 appleIDSession:0x2807e81c0]
99406 ms | | | | | | | | | | | | | | | | | | | | | | | -[AKAppleIDSession initWithIdentifier:0x2
81cc6e50]
99406 ms | | | | | | | | | | | | | | | | | | | | | | | | -[AAURLSessionContext _initRequiringSigni
ng:0x1 appleIDSession:0x2807e8580]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | -[AKAppleIDSession initWithIdentifier:0x2
81cc6e50]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[AAURLSessionContext _initRequiringSigni
ng:0x1 appleIDSession:0x2807e8fc0]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[AAURLSessionContext relevantHTTPStatusC
odes]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AKAppleIDSession relevantHTTPStatu
sCodes]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | +[AAURLSessionContext _relevantHTTPS
tatusCodes]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AARemoteServer configurationWithCompletion:0x16fd690b8]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AARemoteServer _configurationAndResponseWithCompletion
:0x16fd69058]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AARemoteServer _configurationCacheInvalidateingIfN
ecessary]
99407 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AARemoteServer _configurationLock_configurat
ionCacheInvalidateingIfNecessary]

```

```

    /* TID 0xc533 */
99407 ms - [AARemoteServer _configurationCacheInvalidatingIfNecessary]
99407 ms | - [AARemoteServer _configurationLock_configurationCacheInvalidatingIfNec
essary]
99407 ms - [AARemoteServer _fetchConfigurationAndResponseWithCompletion:0x16fe7e890]
/* TID 0x103 */
99408 ms - [ACTimedExpirer _cancelTimer]
99408 ms | - [ACTimedExpirer _unsafeCancelTimer]
99408 ms - [ACTimedExpirer _cancelTimer]
99408 ms | - [ACTimedExpirer _unsafeCancelTimer]
/* TID 0xf107 */
99423 ms +[AKAppleIDAuthenticationContext supportsSecureCoding]
99423 ms - [AKAppleIDAuthenticationContextManager presentBasicLoginUIForContext:0x1203
2b360 completion:0x2820ba370]
99423 ms | - [AKAppleIDAuthenticationContextManager _clientSideContextForServerCont
ext:0x12032b360]
99423 ms | | - [AKAppleIDAuthenticationContext _identifier]
99423 ms | | - [AKAppleIDAuthenticationContext _identifier]
99423 ms | | - [AKAppleIDAuthenticationContext _updateWithValuesFromContext:0x12
032b360]
99423 ms | - [AKAppleIDAuthenticationInAppContext presentBasicLoginUIWithCompletion
:0x2820ba370]
/* TID 0x103 */
99423 ms - [AKAppleIDAuthenticationContext username]
99423 ms - [AKAppleIDAuthenticationInAppContext _passwordDelegate]
99424 ms - [AKAppleIDAuthenticationContext username]
99424 ms - [AKAppleIDAuthenticationInAppContext _passwordDelegate]
99424 ms - [AAUISignInViewController context:0x10410b850 needsPasswordWithCompletion:0
x16fd6a950]
99424 ms | - [AAUISignInViewController _setPasswordFieldHidden:0x0]
99424 ms | | - [AAUISignInViewController _isPasswordFieldVisible]
99424 ms | | | - [AAUISignInViewController _showOnlyPassword]
99424 ms | | | - [AAUISignInViewController _passwordFieldIndexPath]
99424 ms | | | - [AAUISignInViewController _showOnlyPassword]
99425 ms | | | - [AAUISignInViewController _passwordFieldIndexPath]
99425 ms | | | - [AAUISignInViewController _passwordCell]
99435 ms | - [AAUISignInViewController _setEnabled:0x1]
99435 ms | | - [AAUISignInViewController _hasValidCredentials]
99436 ms | | | - [AAUISignInViewController _setUsernameCellWaiting:0x0]
/* TID 0xc533 */
99454 ms | - [AAURLSession bodyTaskWithRequest:0x28100b030 completion:0x16fe7e740]
99454 ms | | - [AAURLSession dataTaskWithRequest:0x28100b030 completion:0x16fe7e
6c8]
99454 ms | | | - [AAURLSession _enqueueRequest:0x28100b030 completion:0x16fe7
e6c8]
99455 ms | | | | - [AKAppleIDSession initWithIdentifier:0x281cc6fa0]
99455 ms | | | | - [AAURLSessionContext _initRequiringSigning:0x0 appleIDS
ession:0x2807dddc0]
/* TID 0x10a03 */
99455 ms - [AAURLSession _sessionQueue_enqueueTask:0x129612b80 completion:0x281d62b80]
99469 ms - [AAURLSession URLSession:0x10401f340 dataTask:0x129612b80 didReceiveData:0x
2807d4a00]
99469 ms | - [AAURLSession _sessionQueue_updateTask:0x129612b80WithData:0x2807d4a0
0]
/* TID 0xc533 */
99470 ms - [AAURLSession URLSession:0x10401f340 task:0x129612b80 didCompleteWithError:

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0x0]
99470 ms      | -[AAURLConnection _sessionQueue_dequeueTask:0x129612b80 withResponse:0x281
6bae20 error:0x0]
99470 ms      |     | -[AAURLConfiguration _initWithDictionary:0x2816a15c0]
99470 ms      |     | +[AARemoteServerConfigurationCache cacheWithConfiguration:0x28100c
250 response:0x2816bae20]
99470 ms      |     |     | -[AARemoteServerConfigurationCache initWithConfiguration:0x28
100c250 response:0x2816bae20]
99470 ms      |     |     | -[AARemoteServer _setConfigurationCache:0x2816bb620]
99470 ms      |     |     | -[AAURLConfiguration absintheEnable]
99470 ms      |     |     | +[AAAbsintheSigner sharedSigner]
99470 ms      |     |     |     | -[AAABsintheSigner initWithCacheTimeout:0xfffffffffffffff0]
99470 ms      |     |     |     | +[AAURLConnection sharedSession]
99470 ms      |     |     | -[AAABsintheSigner signatureForData:0x281d70f90 completion:0x16fe7
e370]
99470 ms      |     |     |     | -[AAABsintheSigner _contextWithCompletion:0x16fe7e2b0]
99470 ms      |     |     |     |     | -[AAABsintheSigner context]
99470 ms      |     |     |     |     | -[AAABsintheSigner _contextLock_contextInvalidating
IfNecessary]
99470 ms      |     |     | -[AAURLConfiguration baaInterval]
/* TID 0x10a03 */
99470 ms      -[AAABsintheSigner _contextQueue_contextWithCompletion:0x281d71410]
99471 ms      | -[AAABsintheSigner context]
99471 ms      |     | -[AAABsintheSigner _contextLock_contextInvalidatingIfNecessary]
99471 ms      | -[AAABsintheSigner _fetchCertificateDataWithCompletion:0x1703f6808]
99471 ms      |     | -[AAURLConnection dataTaskWithURL:0x28318bcf0 completion:0x1703f67a8]
99471 ms      |     |     | -[AAURLConnection dataTaskWithRequest:0x28100b070 completion:0x1
703f67a8]
99471 ms      |     |     |     | -[AAURLConnection _enqueueRequest:0x28100b070 completion:0x
1703f67a8]
99471 ms      |     |     |     |     | -[AKAppleIDSession initWithIdentifier:0x281cc6fa0]
99471 ms      |     |     |     |     | -[AAURLConnectionContext _initRequiringSigning:0x0 app
leIDSession:0x2807ddd80]
/* TID 0xc533 */
99471 ms      -[AAURLConnection _sessionQueue_enqueueTask:0x1006ee7e0 completion:0x281d62ac0]
/* TID 0x10a03 */
99471 ms      +[AAURLProtocol canInitWithRequest:0x281008040]
99471 ms      +[AAURLProtocol canonicalRequestForRequest:0x281008040]
/* TID 0x873f */
99472 ms      -[AAURLProtocol initWithRequest:0x281008010 cachedResponse:0x0 client:0x281d
70960]
99472 ms      -[AAURLProtocol startLoading]
99472 ms      | +[AARemoteServer sharedServer]
99472 ms      | -[AARemoteServer _configurationAndResponseWithCompletion:0x17050da48]
99472 ms      |     | -[AARemoteServer _configurationCacheInvalidatingIfNecessary]
99472 ms      |     |     | -[AARemoteServer _configurationLock_configurationCacheInvalid
atingIfNecessary]
99472 ms      |     |     |     | -[AARemoteServerConfigurationCache creationDate]
99472 ms      |     |     |     | -[AARemoteServerConfigurationCache configuration]
99472 ms      |     |     |     | -[AARemoteServerConfigurationCache response]
99472 ms      |     |     |     | -[AAURLConfiguration urlForEndpoint:0x2816bb260]
99472 ms      -[AAURLProtocol stopLoading]
/* TID 0x10a03 */
99481 ms      -[AAURLConnectionContext URLSession:0x10401f340 task:0x1006ee7e0 getAppleIDHea
dersForResponse:0x0 completionHandler:0x1703f6650]
99481 ms      | -[AKAppleIDSession URLSession:0x10401f340 task:0x120360620 getAppleIDHe

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adersForResponse:0x0 completionHandler:0x1703f65c0]
99481 ms | | -[AKAppleIDSession _generateAppleIDHeadersForSessionTask:0x1203606
20 withCompletion:0x1703f6538]
99481 ms | | | -[AKAppleIDSession _nativeAnisetteController]
99481 ms | | | | -[AKAnisetteProvisioningController init]
99481 ms | | | | -[AKAnisetteProvisioningController anisetteDataForURLRequest:
0x28100c0d0 completion:0x1703f6428]
99481 ms | | | | | -[AKAnisetteProvisioningController fetchAnisetteDataAndP
rovisionIfNecessary:0x1 withCompletion:0x1703f6428]
99481 ms | | | | | | -[AKAnisetteProvisioningController _anisetteService
Connection]
99481 ms | | | | | | | +[AKAnisetteProvisioningDaemonInterface XPCInt
erface]
99481 ms | | | | | | | +[AKAnisetteProvisioningClientInterface XPCInt
erface]

/* TID 0x6f1f */
99500 ms +[AKAnisetteData supportsSecureCoding]
99500 ms -[AKAppleIDSession _genericAppleIDHeadersDictionaryForRequest:0x28100c0d0]
99502 ms | +[AKDevice currentDevice]
99502 ms | | -[AKDevice init]
99502 ms | | | -[AKDevice _setShouldUpdateToValue:0x0]
99502 ms | | | -[AKDevice description]
99502 ms | | | -[AKDevice setLinkType:0x1]
99502 ms | | | -[AKDevice _setShouldUpdateToValue:0x1]
99503 ms | -[AKDevice locale]
99503 ms -[AKAnisetteData machineID]
99503 ms -[AKAnisetteData oneTimePassword]
99503 ms -[AKAnisetteData routingInfo]
99503 ms +[AKDevice currentDevice]
99503 ms -[AKDevice localUserUUID]
99503 ms +[AKConfiguration sharedConfiguration]
99503 ms | -[AKConfiguration init]
99504 ms -[AKConfiguration shouldAllowTestApplication]
99504 ms | -[AKConfiguration configurationValueForKey:0x1e8b17ff8]
99504 ms -[AKAppleIDSession _pairedDeviceAnisetteController]
99504 ms -[AAURLSessionContext _additionalHeadersForRequest:0x28100c260 completion:0x
16fdf2270]
99504 ms | +[AADeviceInfo currentInfo]
/* TID 0x1517 */
99504 ms +[NSError _web_errorWithDomain:0x1f61f0440 code:0xfffffffffffffff19 URL:0x283
ceb000]
99504 ms | -[NSError _web_initWithDomain_nowarn:0x1f61f0440 code:0xfffffffffffffff1
9 URL:0x283ceb000]
99508 ms | | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffff19 userI
nfo:0x2816bbb20]
99508 ms -[NSError userInfo]
99508 ms -[NSError domain]
99508 ms -[NSError code]
99508 ms -[NSError domain]
99508 ms -[NSError code]
99508 ms -[NSError userInfo]
99508 ms -[NSError userInfo]
99508 ms -[NSError domain]
99508 ms -[NSError code]
99508 ms +[NSError errorWithDomain:0x1f61f0440 code:0xfffffffffffffff19 userInfo:0x281
6bffa0]

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99508 ms      | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffc19 userInfo:0
x2816bffa0]
99508 ms      -[NSError code]
99508 ms      -[NSError code]
99508 ms      -[NSError description]
99508 ms      | -[NSError userInfo]
99508 ms      | -[NSError domain]
99508 ms      | -[NSError userInfo]
99508 ms      | -[NSError domain]
99508 ms      | -[NSError userInfo]
99508 ms      | -[NSError userInfo]
99508 ms      | -[NSError domain]
99508 ms      | -[NSError code]
/* TID 0x6f1f */
99511 ms      +[AADeviceInfo clientInfoHeader]
99511 ms      | | -[AADeviceInfo productType]
99511 ms      | | -[AADeviceInfo osName]
99511 ms      | | +[AADeviceInfo osVersion]
99511 ms      | | -[AADeviceInfo buildVersion]
99513 ms      +[AAPreferences isExperimentalModeEnabled]
99513 ms      | +[AADeviceInfo isInternalBuild]
99513 ms      | -[AAURLSessionContext requiresSigning]
/* TID 0x103 */
99780 ms      +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
99780 ms      | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
99780 ms      +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
99780 ms      | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
99794 ms      +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
99794 ms      | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
99797 ms      -[AAUISignInViewController _keyboardWillShow:0x28169c800]
99797 ms      | -[AAUISignInViewController _updateContentInsetWithHeight:0x1f095f050]
99797 ms      -[AAUISignInViewController _keyboardWillShow:0x28169c800]
99797 ms      | -[AAUISignInViewController _updateContentInsetWithHeight:0x1f095f050]
100321 ms      +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
100321 ms      | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
/* TID 0x10a03 */
100579 ms      -[AAURLSession URLSession:0x10401f340 dataTask:0x1006ee7e0 didReceiveData:0x
280701280]
100580 ms      | -[AAURLSession _sessionQueue_updateTask:0x1006ee7e0 withData:0x28070128
0]
100581 ms      -[AAURLSession URLSession:0x10401f340 task:0x1006ee7e0 didCompleteWithError:
0x0]
100581 ms      | -[AAURLSession _sessionQueue_dequeueTask:0x1006ee7e0 withResponse:0x281
65acc0 error:0x0]
100581 ms      | | +[AAAbsintheSigner _contextCreationBlock]
100581 ms      | | -[AAAbsintheContext init]
100582 ms      | | -[AAAbsintheContext TgBfo02wtF5L:0x101068e00 error:0x1703f6518]
100651 ms      | | -[AAAbsintheSigner _fetchSessionInfoWithRequestInfo:0x28169c3e0 co
mpletion:0x1703f64e8]
100652 ms      | | | -[AAURLSession bodyTaskWithRequest:0x28100c480 completion:0x1
703f64e8]
100652 ms      | | | | -[AAURLSession dataTaskWithRequest:0x28100c480 completio
n:0x1703f63f8]
100652 ms      | | | | | -[AAURLSession _enqueueRequest:0x28100c480 completi
on:0x1703f63f8]
100652 ms      | | | | | | -[AKAppleIDSession initWithIdentifier:0x281cc6

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fao]
100652 ms | | | | | | -[AAURLSessionContext _initRequiringSigning:0x
0 appleIDSession:0x2807d7340]
100652 ms -[AAURLSession _sessionQueue_enqueueTask:0x1203690e0 completion:0x281d751d0]
/* TID 0x6f1f */
100652 ms +[AAURLProtocol canInitWithRequest:0x281008710]
100652 ms +[AAURLProtocol canonicalRequestForRequest:0x281008710]
/* TID 0x873f */
100652 ms -[AAURLProtocol initWithRequest:0x281009ad0 cachedResponse:0x0 client:0x281d
060d0]
100652 ms -[AAURLProtocol startLoading]
100652 ms | +[AARemoteServer sharedServer]
100652 ms | -[AARemoteServer _configurationAndResponseWithCompletion:0x17050da48]
100652 ms | | -[AARemoteServer _configurationCacheInvalidatingIfNecessary]
100652 ms | | | -[AARemoteServer _configurationLock_configurationCacheInvalid
atingIfNecessary]
100652 ms | | | | -[AARemoteServerConfigurationCache creationDate]
100652 ms | | | -[AARemoteServerConfigurationCache configuration]
100652 ms | | | -[AARemoteServerConfigurationCache response]
100652 ms | | | -[AAURLConfiguration urlForEndpoint:0x281690140]
100652 ms -[AAURLProtocol stopLoading]
/* TID 0x1517 */
100653 ms -[AAURLSessionContext URLSession:0x10401f340 task:0x1203690e0 getAppleIDHe
dersForResponse:0x0 completionHandler:0x170482650]
100653 ms | -[AKAppleIDSession URLSession:0x10401f340 task:0x129628bd0 getAppleIDHe
dersForResponse:0x0 completionHandler:0x1704825c0]
100653 ms | | -[AKAppleIDSession _generateAppleIDHeadersForSessionTask:0x129628b
d0 withCompletion:0x170482538]
100653 ms | | | -[AKAppleIDSession _nativeAnisetteController]
100653 ms | | | | -[AKAnisetteProvisioningController init]
100653 ms | | | | -[AKAnisetteProvisioningController anisetteDataForURLRequest:
0x281008810 completion:0x170482428]
100653 ms | | | | | -[AKAnisetteProvisioningController fetchAnisetteDataAndP
rovisionIfNecessary:0x1 withCompletion:0x170482428]
100653 ms | | | | | | -[AKAnisetteProvisioningController _anisetteService
Connection]
100653 ms | | | | | | +[AKAnisetteProvisioningDaemonInterface XPCInt
erface]
100653 ms | | | | | | +[AKAnisetteProvisioningClientInterface XPCInt
erface]
/* TID 0x6f1f */
100657 ms +[AKAnisetteData supportsSecureCoding]
100657 ms -[AKAppleIDSession _genericAppleIDHeadersDictionaryForRequest:0x281008810]
100657 ms | +[AKDevice currentDevice]
100657 ms | -[AKDevice locale]
100657 ms -[AKAnisetteData machineID]
100657 ms -[AKAnisetteData oneTimePassword]
100657 ms -[AKAnisetteData routingInfo]
100657 ms +[AKDevice currentDevice]
100657 ms -[AKDevice localUserUUID]
100657 ms +[AKConfiguration sharedConfiguration]
100657 ms -[AKConfiguration shouldAllowTestApplication]
100657 ms | -[AKConfiguration configurationValueForKey:0x1e8b17ff8]
100657 ms -[AKAppleIDSession _pairedDeviceAnisetteController]
100657 ms -[AAURLSessionContext _additionalHeadersForRequest:0x281008640 completion:0x
16fdf2270]

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100657 ms      | -[AAURLConnection requiresSigning]
                  /* TID 0x1517 */
100657 ms  +[NSError _web_errorWithDomain:0x1f61f0440 code:0xfffffffffffffff19 URL:0x283
98c0e0]
100657 ms      | -[NSError _web_initWithDomain_nowarn:0x1f61f0440 code:0xfffffffffffffff19 URL:0x28398c0e0]
100657 ms      |     | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffff19 userInfo:0x28169c340]
100657 ms  -[NSError userInfo]
100658 ms  -[NSError domain]
100658 ms  -[NSError code]
100658 ms  -[NSError domain]
100658 ms  -[NSError code]
100658 ms  -[NSError userInfo]
100658 ms  -[NSError userInfo]
100658 ms  -[NSError domain]
100658 ms  -[NSError code]
100658 ms  +[NSError errorWithDomain:0x1f61f0440 code:0xfffffffffffffff19 userInfo:0x281
69c7a0]
100658 ms      | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffff19 userInfo:0
x28169c7a0]
100658 ms  -[NSError code]
100658 ms  -[NSError code]
100658 ms  -[NSError description]
100658 ms      | -[NSError userInfo]
100658 ms      | -[NSError domain]
100658 ms      | -[NSError userInfo]
100658 ms      | -[NSError domain]
100658 ms      | -[NSError userInfo]
100658 ms      | -[NSError userInfo]
100658 ms      | -[NSError domain]
100658 ms      | -[NSError code]
/* TID 0x103 */
100683 ms  +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
100683 ms      | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
100684 ms  +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
100684 ms      | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
/* TID 0x1517 */
100849 ms  -[AAURLConnection URLSession:0x10401f340 dataTask:0x1203690e0 didReceiveData:0x
28073adc0]
100849 ms      | -[AAURLConnection _sessionQueue_updateTask:0x1203690e0 withData:0x28073adc
0]
/* TID 0x6f1f */
100850 ms  -[AAURLConnection URLSession:0x10401f340 task:0x1203690e0 didCompleteWithError:
0x0]
100850 ms      | -[AAURLConnection _sessionQueue_dequeueTask:0x1203690e0 withResponse:0x281
658520 error:0x0]
100850 ms      |     | -[AAABsintheContext R6XtwiyjL3q2:0x2816470e0 error:0x16fdf24c8]
100856 ms      |     | -[AAABsintheSigner setContext:0x281025c00]
100856 ms      |     |     | +[AAABsintheSignerContextCache cacheWithContext:0x281025c00]
100856 ms      |     |     | -[AAABsintheSignerContextCache initWithContext:0x281025c
00]
100856 ms      |     |     | -[AAABsintheSigner _contextLock_enqueueContextCleanup]
100856 ms      |     |     |     | -[AAABsintheSigner cacheTimeout]
100857 ms      |     | -[AAABsintheContext cao1NI5PNJBn:0x281d70f90 error:0x16fdf23f8]
/* TID 0x103 */

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101013 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
101013 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
101015 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
101015 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
101609 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x0 replacementString:0x0]
101617 ms -[AAUISignInViewController _textFieldDidChange:0x2816be1e0]
101617 ms | -[AAUISignInViewController _isValidCredentials]
102121 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
102122 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
102124 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
102124 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
102577 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x1 replacementString:0x0]
102588 ms -[AAUISignInViewController _textFieldDidChange:0x28164f8e0]
102588 ms | -[AAUISignInViewController _isValidCredentials]
102924 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
102924 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
102926 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
102926 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
103292 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
103293 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
103294 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
103294 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
103991 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x2 replacementString:0x0]
104004 ms -[AAUISignInViewController _textFieldDidChange:0x2816b0640]
104004 ms | -[AAUISignInViewController _isValidCredentials]
104028 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
104028 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
104030 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
104030 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
104474 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x3 replacementString:0x0]
104488 ms -[AAUISignInViewController _textFieldDidChange:0x2812fe3e0]
104488 ms | -[AAUISignInViewController _isValidCredentials]
104974 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x4 replacementString:0x0]
104988 ms -[AAUISignInViewController _textFieldDidChange:0x28125e020]
104988 ms | -[AAUISignInViewController _isValidCredentials]
105393 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x5 replacementString:0x0]
105406 ms -[AAUISignInViewController _textFieldDidChange:0x2812638e0]
105406 ms | -[AAUISignInViewController _isValidCredentials]
105674 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x6 replacementString:0x0]
105686 ms -[AAUISignInViewController _textFieldDidChange:0x28165aa40]
105686 ms | -[AAUISignInViewController _isValidCredentials]
105907 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x7 replacementString:0x0]
105920 ms -[AAUISignInViewController _textFieldDidChange:0x28125eb60]
105920 ms | -[AAUISignInViewController _isValidCredentials]
106173 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x8 replacementString:0x0]
106186 ms -[AAUISignInViewController _textFieldDidChange:0x2812631c0]
106186 ms | -[AAUISignInViewController _isValidCredentials]

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106490 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0x9 replacementString:0x0]
106504 ms -[AAUISignInViewController _textFieldDidChange:0x28125e300]
106505 ms | -[AAUISignInViewController _isValidCredentials]
106858 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
106858 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
106860 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
106860 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
107456 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0xa replacementString:0x0]
107470 ms -[AAUISignInViewController _textFieldDidChange:0x2816b2fa0]
107470 ms | -[AAUISignInViewController _isValidCredentials]
107773 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
107773 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
107775 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
107775 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
108325 ms -[AAUISignInViewController textField:0x10186c200 shouldChangeCharactersInRange:0xb replacementString:0x0]
108339 ms -[AAUISignInViewController _textFieldDidChange:0x2816a8640]
108339 ms | -[AAUISignInViewController _isValidCredentials]
109055 ms -[AAUISignInViewController _nextButtonSelected:0x10067b1a0]
109055 ms | -[AAUISignInViewController _attemptAuthentication]
109055 ms | | -[AAUISignInViewController _setEnabled:0x0]
109078 ms | | | -[AAUISignInViewController _keyboardWillShow:0x2816a8240]
109078 ms | | | | -[AAUISignInViewController _updateContentInsetWithHeight:0x1f095f050]
109079 ms | | | | -[AAUISignInViewController _keyboardWillHide:0x28169c3e0]
109079 ms | | | | -[AAUISignInViewController _updateContentInsetWithHeight:0x1f095f050]
109081 ms | | | | -[AAUISignInViewController _setUsernameCellWaiting:0x1]
109081 ms | | | | | -[AAUISignInViewController _showOnlyPassword]
109081 ms | | -[AAUISignInViewController _prewarmSignInFlowIfApplicable]
109081 ms | | | -[AAUISignInViewController showServiceIcons]
109081 ms | | | -[AASignInFlowController init]
109081 ms | | | | -[ACAccountStore init]
109081 ms | | | | | -[ACAccountStore initWithRemoteEndpoint:0x0 effectiveBundleID:0x0]
109081 ms | | | | | | +[ACTimedExpirer expirerWithTimeout:0xe]
109081 ms | | | | | | | -[ACTimedExpirer init]
109081 ms | | | | | | | +[ACTimedExpirer expirerWithTimeout:0xe]
109081 ms | | | | | | | | -[ACTimedExpirer init]
109081 ms | | | | | | | | +[ACNotificationRebroadcaster sharedRebroadcaster]
109081 ms | | | | | | -[AASignInFlowController prewarmOperationsWithCompletion:0x0]
109081 ms | | | | | | | +[AARemoteServer sharedServer]
109081 ms | | | | | | | -[AARemoteServer configurationWithCompletion:0x16fd690b8]
109081 ms | | | | | | | -[AARemoteServer _configurationAndResponseWithCompletion:0x16fd69058]
109081 ms | | | | | | | -[AARemoteServer _configurationCacheInvalidateingIfNecessary]
109081 ms | | | | | | | | -[AARemoteServer _configurationLock_configurationCacheInvalidateingIfNecessary]
109081 ms | | | | | | | | | -[AARemoteServerConfigurationCache createOnDate]
109081 ms | | | | | | | | | -[AARemoteServerConfigurationCache configuration]
109081 ms | | | | | | | | | -[AARemoteServerConfigurationCache response]
109081 ms | | | | | | | | | -[AAURLConfiguration absintheEnable]

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109081 ms | | | | | +[AAAbsintheSigner sharedSigner]
109081 ms | | | | | -[AAAbsintheSigner signatureForData:0x281d763d0 com
pletion:0x16fd68e80]
109081 ms | | | | | -[AAAbsintheSigner _contextWithCompletion:0x16
fd68dc0]
109081 ms | | | | | | | -[AAAbsintheSigner context]
109081 ms | | | | | | | -[AAAbsintheSigner _contextLock_cont
extInvalidatingIfNecessary]
109081 ms | | | | | | | | | -[AAAbsintheSignerContextCache
creationDate]
109082 ms | | | | | | | | | -[AAAbsintheSignerContextCache
context]
109082 ms | | | | | | | | | -[AAAbsintheContext cao1NI5PNJBn:0x281d76
3d0 error:0x16fd68d08]
109085 ms | | | | | | | -[AAURLConfiguration baaInterval]
109085 ms | -[ACTimedExpirer _cancelTimer]
109085 ms | | -[ACTimedExpirer _unsafeCancelTimer]
109085 ms | -[ACTimedExpirer _cancelTimer]
109085 ms | | -[ACTimedExpirer _unsafeCancelTimer]
109602 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
109602 ms | | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
/* TID 0x6f1f */
110997 ms | -[AKAppleIDAuthenticationContextManager shouldContinueWithAuthenticationResu
lts:0x2816b3020 error:0x0 forContextID:0x2816b3500 completion:0x283925d50]
110998 ms | | -[AKAppleIDAuthenticationContextManager delegate]
/* TID 0x103 */
111116 ms | -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d75080]
111117 ms | -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283c263
00 completion:0x16fd69d98]
111117 ms | | -[ACAccountStore remoteAccountStoreSession]
111117 ms | | | -[ACAccountStore connectionDelegate]
111117 ms | | | -[ACRemoteAccountStoreSession initWithListenerEndpoint:0x0 delegat
e:0x0]
111117 ms | | | | -[ACAccountStoreClientSideListener initWithDelegate:0x0]
111117 ms | | | | -[ACAccountStore effectiveBundleID]
111117 ms | | | | -[ACRemoteAccountStoreSession setEffectiveBundleID:0x0]
111117 ms | | | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
111117 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111117 ms | | | | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
111117 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0x6f1f */
111117 ms | -[ACAccountStore dmc_visibleRemoteManagementAccounts]
/* TID 0x103 */
111117 ms | | | | -[ACTrackedXPCCConnection init]
111117 ms | | | | +[ACRemoteAccountStoreInterface XPCInterface]
111118 ms | | | | -[ACRemoteAccountStoreSession _locked_configureRemoteAccounts
toreWithConnection:0x282340820]
111119 ms | -[AMSAccountsChangedObservable _accountStoreDidChange:0x281659980]
111119 ms | | +[AMSLogConfig sharedAccountsConfig]
111119 ms | | -[AMSLogConfig OSLogObject]
111119 ms | | | -[AMSLogConfig propertyAccessQueue]
111119 ms | | | -[AMSLogConfig backingOSLogObject]
/* TID 0x6f1f */
111119 ms | | -[ACAccountStore dmc_RemoteManagementAccounts]
111119 ms | | | -[ACAccountStore dmc_RemoteManagementAccountType]

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111119 ms | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e741
8c58]
111119 ms | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418c58 error:0x0]
111119 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
111120 ms | | | | | | -[ACAccountStore connectionDelegate]
111120 ms | | | | | | -[ACRemoteAccountStoreSession initWithListener
Endpoint:0x0 delegate:0x0]
111120 ms | | | | | | | -[ACAccountStoreClientSideListener initWi
thDelegate:0x0]
111120 ms | | | | | | | | -[ACAccountStore effectiveBundleID]
111120 ms | | | | | | | | -[ACRemoteAccountStoreSession setEffectiveBund
leID:0x0]
    /* TID 0xc533 */
111120 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
111120 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
111120 ms | -[ACAccountStore aa_primaryAppleAccount]
111120 ms | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x28100d400 pr
eloadedProperties:0x0 error:0x0]
111120 ms | | | -[ACAccountStore remoteAccountStoreSession]
    /* TID 0x6f1f */
111121 ms | | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fdf24c
0]
111121 ms | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111121 ms | | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fdf24a0]
111121 ms | | | | | | | | -[ACRemoteAccountStoreSession _connection]
111121 ms | | | | | | | | | -[ACTrackedXPCCConnection init]
    /* TID 0xc533 */
111121 ms | | | | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e410]
111121 ms | | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111121 ms | | | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxywit
hErrorHandler:0x16fe7e3f0]
111121 ms | | | | | | | | | -[ACRemoteAccountStoreSession _connection]
    /* TID 0x6f1f */
111121 ms | | | | | | | | | | +[ACRemoteAccountStoreInterface XPCInterf
ace]
111121 ms | | | | | | | | | | -[ACRemoteAccountStoreSession _locked_con
figureRemoteAccountStoreWithConnection:0x282342080]
    /* TID 0xc533 */
111139 ms +[ACAccountStore ams_sharedAccountStoreForMediaType:0x1e77eaeb0]
111139 ms | +[AMSUnitTests isRunningUnitTests]
    /* TID 0x6f1f */
111146 ms | | | | | | | +[ACAccountType supportsSecureCoding]
    /* TID 0xc533 */
111147 ms | | | | | | | | +[ACAccountStore defaultStore]
    /* TID 0x6f1f */
111147 ms | | | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111147 ms | | | | | | | | | -[ACAccountType description]
111147 ms | | | | | | | | | | -[ACAccountType accountTypeDescription]
111147 ms | | | | | | | | | | -[ACAccountType identifier]
    /* TID 0xc533 */
111148 ms -[ACAccountStore ams_activeiTunesAccount]
111148 ms | -[ACAccountStore ams_mediaType]
111148 ms | | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
111148 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]

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111148 ms | | | | +[AMSAccountStoreCache cache]
111148 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]
/* TID 0x6f1f */
111148 ms | | | -[ACAccountStore accountsWithAccountType:0x2839f4620]
111148 ms | | | | -[ACAccountType description]
111148 ms | | | | | -[ACAccountType accountTypeDescription]
111148 ms | | | | | -[ACAccountType identifier]
111148 ms | | | -[ACAccountStore remoteAccountStoreSession]
111148 ms | | | | -[ACTimedExpirer scheduleExpiration:0x16fdf2470]
111148 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111148 ms | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x16fdf2450]
111148 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
111148 ms | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
/* TID 0x6f1f */
111148 ms | | | | -[ACAccountType encodeWithCoder:0x101a88e00]
111148 ms | | | | | -[ACAccountType identifier]
/* TID 0xc533 */
111148 ms | | | | | +[AMSTests isRunningUnitTests]
111148 ms | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
/* TID 0x6f1f */
111148 ms | | | | | | -[ACAccountType accountTypeDescription]
111148 ms | | | | | | -[ACAccountType objectID]
111149 ms | | | | | | -[ACAccountType visibility]
111149 ms | | | | | | -[ACAccountType credentialProtectionPolicy]
111149 ms | | | | | | -[ACAccountType supportsAuthentication]
111149 ms | | | | | | -[ACAccountType supportsMultipleAccounts]
111149 ms | | | | | | -[ACAccountType owningBundleID]
111149 ms | | | | | | -[ACAccountType isObsolete]
/* TID 0xc533 */
111149 ms | | | -[ACAccountStore ams_iTunesAccounts]
111149 ms | | | | -[ACAccountStore ams_mediaType]
111149 ms | | | | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
111149 ms | | | | | | +[AMSAccountStoreCache cacheAccessQueue]
111149 ms | | | | | | +[AMSAccountStoreCache cache]
111149 ms | | | | | | | +[AMSAccountStoreCache cacheAccessQueue]
111149 ms | | | | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
111149 ms | | | | | | | | +[AMSTests isRunningUnitTests]
111149 ms | | | | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
111149 ms | | | | | | | | | +[ACAccountStore ams_accountTypeIdentifierForMediaType:0x1e77eaeb0]
]
111149 ms | | | | -[ACAccountStore _ams_accountsWithAccountTypeIdentifier:0x1e7418878 options:0x1 error:0x16fe7e5c8]
111149 ms | | | | | -[ACAccountStore _ams_accountTypeWithAccountTypeIdentifier:0x1e7418878 error:0x16fe7e5c8]
111149 ms | | | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e7418878 error:0x16fe7e4e8]
111149 ms | | | | | | | -[ACAccountStore remoteAccountStoreSession]
111149 ms | | | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e280]
111149 ms | | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111149 ms | | | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x16fe7e260]
111149 ms | | | | | | | | | | -[ACRemoteAccountStoreSession _connection]
111152 ms | | | | | | | | | | -[ACAccountType setAccountStore:0x283916df0]

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111152 ms | | | | | -[ACAccountType description]
111152 ms | | | | | | -[ACAccountType accountTypeDescription]
111152 ms | | | | | | -[ACAccountType identifier]
111152 ms | | | -[ACAccountStore _ams_accountsWithAccountType:0x2839f4540 options:0x1 error:0x16fe7e5c8]
111152 ms | | | | -[ACAccountStore accountsWithAccountType:0x2839f4540 options:0x1 error:0x16fe7e548]
111152 ms | | | | | -[ACAccountType description]
111152 ms | | | | | | -[ACAccountType accountTypeDescription]
111152 ms | | | | | | -[ACAccountType identifier]
111152 ms | | | | -[ACAccountStore remoteAccountStoreSession]
111152 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e210]
111152 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111152 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x16fe7e1f0]
111152 ms | | | | | -[ACRemoteAccountStoreSession _connection]
111153 ms | | | | | -[ACAccountType encodeWithCoder:0x101a88e00]
111153 ms | | | | | | -[ACAccountType identifier]
111153 ms | | | | | | -[ACAccountType accountTypeDescription]
111153 ms | | | | | | -[ACAccountType objectID]
111153 ms | | | | | | -[ACAccountType visibility]
111153 ms | | | | | | -[ACAccountType credentialProtectionPolicy]
111153 ms | | | | | | -[ACAccountType supportsAuthentication]
111153 ms | | | | | | -[ACAccountType supportsMultipleAccounts]
111153 ms | | | | | | -[ACAccountType owningBundleID]
111153 ms | | | | | | -[ACAccountType isObsolete]
111163 ms | | | | +[ACAccount supportsSecureCoding]
111163 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
111163 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
111163 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
111163 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
111163 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
111163 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
111164 ms | | | | -[ACAccount description]
111164 ms | | | | | -[ACAccount username]
111164 ms | | | | | | -[ACAccount _useParentForCredentials]
111164 ms | | | | | | | -[ACAccount authenticationType]
111164 ms | | | | | | -[ACAccount identifier]
111164 ms | | | | -[ACAccount description]
111164 ms | | | | | -[ACAccount username]
111164 ms | | | | | | -[ACAccount _useParentForCredentials]
111164 ms | | | | | | | -[ACAccount authenticationType]
111164 ms | | | | | | -[ACAccount identifier]
111164 ms | | | | -[ACAccount description]
111164 ms | | | | | -[ACAccount username]
111164 ms | | | | | | -[ACAccount _useParentForCredentials]
111164 ms | | | | | | | -[ACAccount authenticationType]
111164 ms | | | | | | -[ACAccount identifier]
111164 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111164 ms | | | -[ACAccount isActive]
111164 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111164 ms | | | -[ACAccount isActive]
111164 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111164 ms | | | -[ACAccount isActive]
111186 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith

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Identifier:0x2807dbf00]
/* TID 0x103 */
111186 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28165a440]
111186 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dbf00]
111199 ms -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d26580]
111199 ms -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283cd60
00 completion:0x16fd69d98]
111199 ms | -[ACAccountStore remoteAccountStoreSession]
111199 ms | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
111199 ms | | | -[ACTimedExpirer _unsafeCancelTimer]
111199 ms | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
111199 ms | | -[ACRemoteAccountStoreSession _connection]
111199 ms -[AMSAccountsChangedObservable _accountStoreDidChange:0x28165a440]
111199 ms | +[AMSLogConfig sharedAccountsConfig]
111199 ms | -[AMSLogConfig OSLogObject]
111199 ms | | -[AMSLogConfig propertyAccessQueue]
111199 ms | | -[AMSLogConfig backingOSLogObject]
/* TID 0x11c23 */
111201 ms -[ACAccountStore dmc_visibleRemoteManagementAccounts]
111201 ms | -[ACAccountStore dmc_RemoteManagementAccounts]
111201 ms | | -[ACAccountStore dmc_RemoteManagementAccountType]
111201 ms | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e741
8c58]
111201 ms | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418c58 error:0x0]
111201 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
111201 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x1703f64c
0]
111201 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xc533 */
111201 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
111201 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
111201 ms | -[ACAccountStore aa_primaryAppleAccount]
111201 ms | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x28100d400 pr
eloadedProperties:0x0 error:0x0]
111201 ms | | | -[ACAccountStore remoteAccountStoreSession]
111201 ms | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e410]
111201 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111201 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit
hErrorHandler:0x16fe7e3f0]
111201 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0x11c23 */
111201 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObj
ectProxyWithErrorHandler:0x1703f64a0]
111201 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
111202 ms +[ACAccountStore ams_sharedAccountStoreForMediaType:0x1e77eaeb0]
111202 ms | +[AMSUnitTests isRunningUnitTests]
111202 ms | +[ACAccountStore defaultStore]
111202 ms -[ACAccountStore ams_activeiTunesAccount]
111202 ms | -[ACAccountStore ams_mediaType]
111202 ms | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
111202 ms | | | +[AMSAccountStoreCache cacheAccessQueue]
111202 ms | | | | +[AMSAccountStoreCache cache]
111202 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]

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111202 ms | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
111202 ms | | | | +[AMSUnitTests isRunningUnitTests]
111202 ms | | | | +[AMSProcessInfo defaultMediaAccessQueue]
111202 ms | -[ACAccountStore ams_iTunesAccounts]
111203 ms | | -[ACAccountStore ams_mediaType]
111203 ms | | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
111203 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]
111203 ms | | | | +[AMSAccountStoreCache cache]
111203 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]
111203 ms | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
111203 ms | | | | | +[AMSUnitTests isRunningUnitTests]
111203 ms | | | | | +[AMSProcessInfo defaultMediaAccessQueue]
111203 ms | | | | +[ACAccountStore ams_accountTypeIdentifierForMediaType:0x1e77eaeb0
]
111203 ms | | | -[ACAccountStore _ams_accountsWithAccountTypeIdentifier:0x1e741887
8 options:0x1 error:0x16fe7e5c8]
111203 ms | | | | -[ACAccountStore _ams_accountTypeWithIdentifier:0x
1e7418878 error:0x16fe7e5c8]
111203 ms | | | | | -[ACAccountStore accountTypeWithIdentifier:0x
1e7418878 error:0x16fe7e4e8]
111203 ms | | | | | | -[ACAccountStore remoteAccountStoreSession]
111203 ms | | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e28
0]
111203 ms | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111203 ms | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fe7e260]
111203 ms | | | | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0x11c23 */
111203 ms | | | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111203 ms | | | | | | | | | -[ACAccountType description]
111203 ms | | | | | | | | | | -[ACAccountType accountTypeDescription]
111203 ms | | | | | | | | | | -[ACAccountType identifier]
/* TID 0xc533 */
111203 ms | | | | | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111203 ms | | | | | | | | | | -[ACAccountType description]
111203 ms | | | | | | | | | | | -[ACAccountType accountTypeDescription]
111203 ms | | | | | | | | | | | -[ACAccountType identifier]
111203 ms | | | | | | | | | | -[ACAccountStore _ams_accountsWithAccountType:0x283996e60 opt
ions:0x1 error:0x16fe7e5c8]
111203 ms | | | | | | | | | | | -[ACAccountStore accountsWithAccountType:0x283996e60 opt
ions:0x1 error:0x16fe7e548]
111203 ms | | | | | | | | | | | | -[ACAccountType description]
111203 ms | | | | | | | | | | | | | -[ACAccountType accountTypeDescription]
111203 ms | | | | | | | | | | | | | -[ACAccountType identifier]
111203 ms | | | | | | | | | | | | -[ACAccountStore remoteAccountStoreSession]
111203 ms | | | | | | | | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e21
0]
111203 ms | | | | | | | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0x11c23 */
111203 ms | | | | | | | | | | | | -[ACAccountStore accountsWithAccountType:0x283928310]
111203 ms | | | | | | | | | | | | | -[ACAccountType description]
111203 ms | | | | | | | | | | | | | | -[ACAccountType accountTypeDescription]
111203 ms | | | | | | | | | | | | | | -[ACAccountType identifier]
111203 ms | | | | | | | | | | | | | | -[ACAccountStore remoteAccountStoreSession]
/* TID 0xc533 */
111203 ms | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje

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ctProxyWithErrorHandler:0x16fe7e1f0]
111203 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
    /* TID 0x11c23 */
111203 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x1703f6470]
111203 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
    /* TID 0xc533 */
111203 ms | | | | | -[ACAccountType encodeWithCoder:0x10225c800]
111203 ms | | | | | -[ACAccountType identifier]
111203 ms | | | | | -[ACAccountType accountTypeDescription]
111203 ms | | | | | -[ACAccountType objectID]
111203 ms | | | | | -[ACAccountType visibility]
111203 ms | | | | | -[ACAccountType credentialProtectionPolicy]
111203 ms | | | | | -[ACAccountType supportsAuthentication]
111203 ms | | | | | -[ACAccountType supportsMultipleAccounts]
111203 ms | | | | | -[ACAccountType owningBundleID]
111204 ms | | | | | -[ACAccountType isObsolete]

    /* TID 0x11c23 */
111204 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x1703f6450]
111204 ms | | | | | -[ACRemoteAccountStoreSession _connection]
111204 ms | | | | | -[ACAccountType encodeWithCoder:0x101a88e00]
111204 ms | | | | | -[ACAccountType identifier]
111204 ms | | | | | -[ACAccountType accountTypeDescription]
111204 ms | | | | | -[ACAccountType objectID]
111204 ms | | | | | -[ACAccountType visibility]
111204 ms | | | | | -[ACAccountType credentialProtectionPolicy]
111204 ms | | | | | -[ACAccountType supportsAuthentication]
111204 ms | | | | | -[ACAccountType supportsMultipleAccounts]
111204 ms | | | | | -[ACAccountType owningBundleID]
111204 ms | | | | | -[ACAccountType isObsolete]

    /* TID 0x1251f */
111205 ms -[AKAppleIDAuthenticationContextManager dismissBasicLoginUIForContext:0x12036fed0 completion:0x2839f4620]
111205 ms | -[AKAppleIDAuthenticationContextManager _clientSideContextForServerContext:0x12036fed0]
111205 ms | | -[AKAppleIDAuthenticationContext _identifier]
111205 ms | | -[AKAppleIDAuthenticationContext _identifier]
111205 ms | | -[AKAppleIDAuthenticationContext _updateWithValuesFromContext:0x12036fed0]
111205 ms | -[AKAppleIDAuthenticationInAppContext dismissBasicLoginUIWithCompletion:0x2839f4620]
111205 ms | | -[AKAppleIDAuthenticationInAppContext inAppAuthUIProvider]
111205 ms | | | -[AKInAppAuthenticationRemoteUIProvider initWithContext:0x10410b850]
111205 ms | | | | -[AKInAppAuthenticationRemoteUIDelegate initWithContext:0x10410b850]
111205 ms | | | -[AKInAppAuthenticationRemoteUIProvider dismissBasicLoginUIWithCompletion:0x2839f4620]

    /* TID 0x103 */
111205 ms -[AKInAppAuthenticationRemoteUIProvider cleanUpBasicLoginWithCompletion:0x16fd6a988]
111205 ms | -[AKInAppAuthenticationRemoteUIProvider _shouldShowAsView]
    /* TID 0xf107 */
111206 ms +[AKAppleIDAuthenticationController sensitiveAuthenticationKeys]
111206 ms +[AKAppleIDAuthenticationController sensitiveAuthenticationKeys]
111206 ms +[AKAppleIDAuthenticationController sensitiveAuthenticationKeys]

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/* TID 0xc533 */
111206 ms | | | | | | -[ACAccount _setAccountStore:0x283916df0]
111206 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111206 ms | | | | | | -[ACAccount _setAccountStore:0x283916df0]
111206 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111206 ms | | | | | | -[ACAccount _setAccountStore:0x283916df0]
111206 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111206 ms | | | | | | -[ACAccount description]
111206 ms | | | | | | | -[ACAccount username]
111206 ms | | | | | | | | -[ACAccount _useParentForCredentials]
111206 ms | | | | | | | | | -[ACAccount authenticationType]
111206 ms | | | | | | | | -[ACAccount identifier]
111206 ms | | | | | | | -[ACAccount description]
111206 ms | | | | | | | | -[ACAccount username]

/* TID 0xf107 */
111206 ms +[AKAppleIDAAuthenticationController sensitiveAuthenticationKeys]
/* TID 0xc533 */
111206 ms | | | | | | | -[ACAccount _useParentForCredentials]
/* TID 0xf107 */
111206 ms +[AKAppleIDAAuthenticationController sensitiveAuthenticationKeys]
111206 ms +[AKAppleIDAAuthenticationController sensitiveAuthenticationKeys]
/* TID 0xc533 */
111206 ms | | | | | | | | | -[ACAccount authenticationType]
/* TID 0xf107 */
111207 ms +[AKAppleIDAAuthenticationController sensitiveAuthenticationKeys]
/* TID 0xc533 */
111207 ms | | | | | | | -[ACAccount identifier]
111207 ms | | | | | | | -[ACAccount description]
111207 ms | | | | | | | -[ACAccount username]
111207 ms | | | | | | | | -[ACAccount _useParentForCredentials]
111207 ms | | | | | | | | | -[ACAccount authenticationType]
111207 ms | | | | | | | | -[ACAccount identifier]
111207 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111207 ms | | | -[ACAccount isActive]
111207 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111207 ms | | | -[ACAccount isActive]
111207 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111207 ms | | | -[ACAccount isActive]
/* TID 0xf107 */
111207 ms -[AKAppleIDAAuthenticationContextManager unregisterContext:0x10410b850]
111207 ms | | -[AKAppleIDAAuthenticationContext _identifier]
/* TID 0x103 */
111207 ms -[AAUISignInViewController _delegate_signInViewControllerDidCompleteWithAuth
enticationResults:0x2816ab1e0]
111207 ms | | -[AAUISignInViewController delegate]
111207 ms | | -[AAUISignInController signInViewController:0x10400ce10 didCompleteWith
AuthenticationResults:0x2816ab1e0]
111207 ms | | | -[AAUISignInController _mainQueue_presentSpinnerViewControllerAnimatedInPa
rentViewController:0x103812200 withCompletion:0x16fd6a8d8]
111207 ms | | | | -[AAUISignInController _spinnerViewController]

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111207 ms | | | | | -[AAUISignerViewController initWithNibName:0x0 bundle:0
x0]
111207 ms | | | | | | -[AAUISignerViewController _commonInit]
111208 ms | | | | | | | -[AAUISignerViewController setSpinning:0x1]
111208 ms | | | | | | | -[AAUISignerViewController label]
111208 ms | | | | | | | -[AAUISignInController serviceType]
111208 ms | | | | | | | -[AAUISignInController _spinnerMessageForService:0x0]
    /* TID 0x11c23 */
111208 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807e3e40]
    /* TID 0x1251f */
111210 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dfb00]
    /* TID 0x103 */
111211 ms | | | | | -[AAUISignInController _mainQueue_continueSignInWithAuthentic
ationResults:0x2816ab1e0 parentViewController:0x103812200]
111211 ms | | | | | | -[AAUISignInController serviceType]
111211 ms | | | | | | -[AAUISignInController serviceContextWithResults:0x2816a
b1e0 parentViewController:0x103812200]
111211 ms | | | | | | | -[AAUISignInController _shouldForceOperation]
111212 ms | | | | | | | -[AAUISignInFlowControllerDelegate initWithPresenti
ngViewController:0x103812200]
111212 ms | | | | | | | | -[ACAccountStore init]
111212 ms | | | | | | | | | -[ACAccountStore initWithRemoteEndpoint:0
x0 effectiveBundleID:0x0]
111212 ms | | | | | | | | | | +[ACTimedExpirer expirerWithTimeout:
0x1e]
111212 ms | | | | | | | | | | | -[ACTimedExpirer init]
111212 ms | | | | | | | | | | | +[ACTimedExpirer expirerWithTimeout:
0x1e]
111212 ms | | | | | | | | | | | | -[ACTimedExpirer init]
111212 ms | | | | | | | | | | | | | +[ACNotificationRebroadcaster shared
Rebroadcaster]
111212 ms | | | | | | | | | | | | | | -[AAUISignInController _serviceOwnersManager]
111212 ms | | | | | | | | | | | | | | | -[AAUISignInController _serviceOwnersManager]
111213 ms | | | | | | | | | | | | | | | | -[AACloudServiceOwner signInService:0x1ecb2df10 withCont
ext:0x2831f0730 completion:0x16fd6a660]
111213 ms | | | | | | | | | | | | | | | | | +[AACloudServiceOwner _serviceTypeForPlatform]
111213 ms | | | | | | | | | | | | | | | | | | -[AASignInFlowController init]
111213 ms | | | | | | | | | | | | | | | | | | | -[ACAccountStore init]
111213 ms | | | | | | | | | | | | | | | | | | | | -[ACAccountStore initWithRemoteEndpoint:0
x0 effectiveBundleID:0x0]
111213 ms | | | | | | | | | | | | | | | | | | | | | +[ACTimedExpirer expirerWithTimeout:
0x1e]
111213 ms | | | | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer init]
111213 ms | | | | | | | | | | | | | | | | | | | | | | +[ACTimedExpirer expirerWithTimeout:
0x1e]
111213 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer init]
111213 ms | | | | | | | | | | | | | | | | | | | | | | | | +[ACNotificationRebroadcaster shared
Rebroadcaster]
111213 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[AASignInFlowController setShouldAutomaticallySave
SignInResults:0x1]
111213 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AASignInFlowController setCdpUIProvider:0x2836f47
e0]
111213 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AASignInFlowController setDelegate:0x2831f0820]
111213 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AASignInFlowController signInWithIDMSAuthenticati

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onResults:0x28169c620 completion:0x16fd6a5b0]
111213 ms | | | | | | | -[AASignInFlowController _updateOrCreateAppleA
ccountForAuthResults:0x28169c620 accountCreationError:0x16fd6a4b0]
111213 ms | | | | | | | -[ACAccountStore aa_appleAccountWithPerso
nID:0x28169cf40]
111213 ms | | | | | | | | | -[ACAccountStore accountsWithAccount
TypeIdentifiers:0x28100d780 preloadedProperties:0x0 error:0x0]
111213 ms | | | | | | | | | | -[ACAccountStore remoteAccounts
storeSession]
111213 ms | | | | | | | | | | | -[ACAccountStore connectio
nDelegate]
111213 ms | | | | | | | | | | | | -[ACRemoteAccountStoreSess
ion initWithListenerEndpoint:0x0 delegate:0x0]
111213 ms | | | | | | | | | | | | | -[ACAccountStoreClien
tSideListener initWithDelegate:0x0]
111213 ms | | | | | | | | | | | | | | -[ACAccountStore effective
BundleID]
111213 ms | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSess
ion setEffectiveBundleID:0x0]
111213 ms | | | | | | | | | | | | | | | | -[ACTimedExpirer scheduleE
xpiration:0x16fd6a030]
111213 ms | | | | | | | | | | | | | | | | | -[ACTimedExpirer _uns
afeCancelTimer]
111213 ms | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSession s
ynchronousRemoteObjectProxyWithErrorHandler:0x16fd6a010]
111213 ms | | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSess
ion _connection]
111213 ms | | | | | | | | | | | | | | | | | | | | -[ACTrackedXPCCConnect
ion init]
111213 ms | | | | | | | | | | | | | | | | | | | | | +[ACRemoteAccountStor
eInterface XPCInterface]
111213 ms | | | | | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStor
eSession _locked_configureRemoteAccountStoreWithConnection:0x282346080]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | -[AASignInFlowController _createNewAppleA
ccountWithAuthResults:0x28169c620 accountCreationError:0x16fd6a4b0]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore aa_appleAccountType
]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore accountTypeWith
hAccountTypeID:0x1e74187d8 error:0x0]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore remoteAcc
ountStoreSession]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer sche
duleExpiration:0x16fd6a110]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer
_unsafeCancelTimer]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSess
ion synchronousRemoteObjectProxyWithErrorHandler:0x16fd6a0f0]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStor
eSession _connection]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | +[ACAccountType supportsSe
cureCoding]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType setAccount
Store:0x2839f4a10]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType descriptio
n]
111215 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType accou

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ntTypeDescription]
111216 ms | | | | | | | | | | | -[ACAccountType identifier]
111216 ms | | | | | | | | | | | -[ACAccount initWithAccountType:0x2839f4460]
111216 ms | | | | | | | | | | | -[ACAccountType supportsAuthentication]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417f18]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417f98]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417e98]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417f58]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417f78]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417d78]
111216 ms | | | | | | | | | | | -[ACAccount setUsername:0x281d07cc0]
111216 ms | | | | | | | | | | | -[ACAccount _useParentForCredentials]
111216 ms | | | | | | | | | | | -[ACAccount authenticationType]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417e58]
111216 ms | | | | | | | | | | | -[ACAccount _aa_setPersonID:0x281659c0]
111216 ms | | | | | | | | | | | -[ACAccount setAccountProperty:0x2816599c0 forKey:0x1e8b42670]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
111216 ms | | | | | | | | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b42670]
111216 ms | | | | | | | | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0x1e8b42670]
111216 ms | | | | | | | | | | | -[AASignInFlowController _userPersonUniqueString]
111216 ms | | | | | | | | | | | +[AAPreferences isMultipleFullAccountsEnabled]
111216 ms | | | | | | | | | | | +[AADeviceInfo isInternalBuild]
111216 ms | | | | | | | | | | | -[ACAccountStore aa_primaryAppleAccount]
111216 ms | | | | | | | | | | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x28100d4e0 preloadedProperties:0x0 error:0x0]
111216 ms | | | | | | | | | | | -[ACAccountStore remoteAccountStoreSession]
111216 ms | | | | | | | | | | | -[ACTimedExpire scheuleExpiration:0x16fd69fe0]
111216 ms | | | | | | | | | | | -[ACTimedExpire _unsafeCancelTimer]
111216 ms | | | | | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x16fd69fc0]
111216 ms | | | | | | | | | | | -[ACRemoteAccountStoreSession _connection]
111216 ms | | | | | | | | | | | -[ACAccountStore aa_dataSeparatedAcc
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ounts]
111216 ms | | | | | | | | | -[ACAccountStore aa_appleAccoun
ts]
111216 ms | | | | | | | | | -[ACAccountStore accountsW
ithAccountTypeIdentifiers:0x281008790 preloadedProperties:0x0 error:0x0]
111216 ms | | | | | | | | | -[ACAccountStore remo
teAccountStoreSession]
111216 ms | | | | | | | | | -[ACTimedExpirer
scheduleExpiration:0x16fd69fc0]
111216 ms | | | | | | | | | -[ACTimedEx
pirer _unsafeCancelTimer]
111216 ms | | | | | | | | | -[ACRemoteAccountStor
eSession synchronousRemoteObjectProxyWithErrorHandler:0x16fd69fa0]
111216 ms | | | | | | | | | -[ACRemoteAccoun
tStoreSession _connection]
111216 ms | | | | | | | | | -[AASignInFlowController _nameForClo
udService]
111218 ms | | | | | | | | | -[ACAccount setAccountDescription:0x
b40cf5309fe54ceb]
111218 ms | | | | | | | | | -[ACAccount parentAccount]
111218 ms | | | | | | | | | -[ACAccount _unsafe_markPropert
yDirty:0x1e7417e78]
111218 ms | | | | | | | | | -[ACAccount aa_setAccountClass:0x1e8
b42a50]
111218 ms | | | | | | | | | -[ACAccount accountType]
111218 ms | | | | | | | | | -[ACAccountType identifier]
111218 ms | | | | | | | | | -[ACAccount setObject:0x1e8b42a
50 forKeyedSubscript:0x1e8b42c10]
111218 ms | | | | | | | | | -[ACAccount setAccountProp
erty:0x1e8b42a50 forKey:0x1e8b42c10]
111218 ms | | | | | | | | | -[ACAccount _unsafe_m
arkPropertyDirty:0x1e7417df8]
111218 ms | | | | | | | | | -[ACAccount _markAcco
untPropertyDirty:0x1e8b42c10]
111218 ms | | | | | | | | | -[ACAccount _uns
afe_markAccountPropertyDirty:0x1e8b42c10]
111218 ms | | | | | | | | | -[ACAccount setObject:0x1f6189a
f8 forKeyedSubscript:0x1e8b426f0]
111218 ms | | | | | | | | | -[ACAccount setAccountProp
erty:0x1f6189af8 forKey:0x1e8b426f0]
111218 ms | | | | | | | | | -[ACAccount _unsafe_m
arkPropertyDirty:0x1e7417df8]
111218 ms | | | | | | | | | -[ACAccount _markAcco
untPropertyDirty:0x1e8b426f0]
111218 ms | | | | | | | | | -[ACAccount _uns
afe_markAccountPropertyDirty:0x1e8b426f0]
111218 ms | | | | | | | | | -[AASignInFlowController _saveTermsW
ithAuthResults:0x28169c620 account:0x282b408c0]
111218 ms | | | | | | | | | -[AASignInFlowController _updateAppleAcco
unt:0x282b408c0 withAuthenticationResults:0x28169c620]
111218 ms | | | | | | | | | +[ACAccountCredential credentialWith
Password:0x100711390]
111218 ms | | | | | | | | | -[ACAccountCredential initWithP
assword:0x100711390]
111218 ms | | | | | | | | | -[ACAccountCredential setP
assword:0x100711390]
```



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Unsafe_markPropertyDirty:0x1e7417d98]
111219 ms | | | | | | | | -[ACAccount aa_isAccountClass:0x1e8b42a50
]
111219 ms | | | | | | | | | -[ACAccount aa_accountClass]
111219 ms | | | | | | | | | | -[ACAccount objectForKeyedSubsc
ript:0x1e8b42c10]
111219 ms | | | | | | | | | | | -[ACAccount accountPropert
yForKey:0x1e8b42c10]
111219 ms | | | | | | | | | | | -[AASignInFlowController _createCDPContex
tForPrimaryAccount:0x282b408c0 withAuthResults:0x28169c620]
111219 ms | | | | | | | | | | | | -[AASignInFlowController delegate]
111219 ms | | | | | | | | | | | | -[AASignInFlowController delegate]
111219 ms | | | | | | | | | | | | | -[AAUISignInFlowControllerDelegate s
kipCDPEnablement]
111219 ms | | | | | | | | | | | | | | -[AASignInFlowController delegate]
111219 ms | | | | | | | | | | | | | | -[AASignInFlowController delegate]
111219 ms | | | | | | | | | | | | | | | -[AAUISignInFlowControllerDelegate c
dpContext]
111219 ms | | | | | | | | | | | | | | | | -[AASignInFlowController messageSess
ion]
111219 ms | | | | | | | | | | | | | | | | | -[AASignInFlowController ignoreLockA
ssertErrors]
111219 ms | | | | | | | | | | | | | | | | | -[AASignInFlowController _delegateRequiresTerm
s]
111219 ms | | | | | | | | | | | | | | | | | | -[AASignInFlowController delegate]
111219 ms | | | | | | | | | | | | | | | | | | -[AASignInFlowController delegate]
111219 ms | | | | | | | | | | | | | | | | | | | -[AAUISignInFlowControllerDelegate requir
edTerms]
111219 ms | | | | | | | | | | | | | | | | | | | -[AASignInFlowController _registerAndVerifyLog
inFor iCloudAccount:0x282b408c0 withCompletion:0x2807d6400]
111219 ms | | | | | | | | | | | | | | | | | | | | +[AAPreferences shouldUseUnifiedLoginEndp
oint]
111221 ms | | | | | | | | | | | | | | | | | | | | | +[AAiCloudLoginAccountRequester delegateP
aramsForAllDelegates]
111221 ms | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore aa_loginAndUpdateiCloudA
ccount:0x282b408c0 delegateParams:0x2807d5040 withCompletion:0x16fd6a398]
111221 ms | | | | | | | | | | | | | | | | | | | | | | -[ACAccount accountType]
111221 ms | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType identifier]
111221 ms | | | | | | | | | | | | | | | | | | | | | | | -[AAiCloudLoginAccountRequester logi
nWithAccount:0x282b408c0 forDelegates:0x2807d5040 completion:0x16fd6a2b0]
111221 ms | | | | | | | | | | | | | | | | | | | | | | | | -[AALoginAccountRequest initWith
hAccount:0x282b408c0 delegates:0x2807d5040]
111221 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[AARequest performSignedReques
tWithHandler:0x16fd6a258]
111221 ms | | | | | | | | | | | | | | | | | | | | | | | | | | +[AAURLSession sharedSigni
ngSession]
111221 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[AARequest performRequest
WithSession:0x281cc68b0 withHandler:0x16fd6a258]
111221 ms | | -[AAUISignInViewController _setEnabled:0x1]
111221 ms | | | -[AAUISignInViewController _hasValidCredentials]
111221 ms | | | | -[AAUISignInViewController _setUsernameCellWaiting:0x0]
111221 ms | | -[ACMonitoredAccountStore credentialsChangedNotification:0x28169d280]
111221 ms | | | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807e3e40]
111222 ms | -[ACAccount credentialsChanged:0x28169d280]
111222 ms | | -[ACAccount identifier]
111222 ms | | -[ACMonitoredAccountStore credentialsChangedNotification:0x28169d0a0]

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111222 ms      | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dfb00]
111222 ms      -[ACAccount credentialsChanged:0x28169d0a0]
111222 ms      | -[ACAccount identifier]
/* TID 0x11c23 */
111222 ms      -[AALoginAccountRequest urlString]
111222 ms      | +[AAURLConfiguration urlConfiguration]
111222 ms      | | +[AAURLConfiguration _urlConfigurationWithError:0x0]
111222 ms      | | | +[AAURLConfiguration remoteServer]
111222 ms      | | | | +[AARemoteServer sharedServer]
111222 ms      | | | | -[AARemoteServer configurationWithCompletion:0x1703f6d48]
111222 ms      | | | | | -[AARemoteServer _configurationAndResponseWithCompletion
:0x1703f6ce8]
111222 ms      | | | | | | -[AARemoteServer _configurationCacheInvalidateIfN
ecessary]
111222 ms      | | | | | | | -[AARemoteServer _configurationLock_configuration
CacheInvalidateIfNecessary]
111222 ms      | | | | | | | | -[AARemoteServerConfigurationCache creati
onDate]
111222 ms      | | | | | | | | | -[AARemoteServerConfigurationCache configuration]
111222 ms      | | | | | | | | | -[AARemoteServerConfigurationCache response]
111222 ms      | | -[AAURLConfiguration loginAccountURL]
111222 ms      | | | -[AAURLConfiguration _urlStringForKey:0x1e8b3eb10]
111222 ms      -[AALoginAccountRequest urlRequest]
111222 ms      | -[AARequest urlRequest]
111222 ms      | | -[AALoginAccountRequest urlString]
111222 ms      | | | +[AAURLConfiguration urlConfiguration]
111222 ms      | | | | +[AAURLConfiguration _urlConfigurationWithError:0x0]
111222 ms      | | | | | +[AAURLConfiguration remoteServer]
111222 ms      | | | | | | -[AARemoteServer configurationWithCompletion:0x1703
f6b18]
111222 ms      | | | | | | | -[AARemoteServer _configurationAndResponseWith
Completion:0x1703f6ab8]
111222 ms      | | | | | | | | -[AARemoteServer _configurationCacheInval
idatingIfNecessary]
111222 ms      | | | | | | | | | -[AARemoteServer _configurationLock_
configurationCacheInvalidateIfNecessary]
111222 ms      | | | | | | | | | | -[AARemoteServerConfigurationCa
che creationDate]
111222 ms      | | | | | | | | | | | -[AARemoteServerConfigurationCache config
uration]
111223 ms      | | | | | | | | | -[AARemoteServerConfigurationCache respon
se]
111223 ms      | | | | -[AAURLConfiguration loginAccountURL]
111223 ms      | | | | | -[AAURLConfiguration _urlStringForKey:0x1e8b3eb10]
/* TID 0x103 */
111226 ms      -[AAUISpinnerViewController viewDidLoad]
/* TID 0x11c23 */
111227 ms      | | -[AARequest flushCache]
111227 ms      | | +[AADeviceInfo clientInfoHeader]
111228 ms      | | | +[AADeviceInfo clientInfoHeader]
111228 ms      | | | | -[AADeviceInfo productType]
111228 ms      | | | | | -[AADeviceInfo osName]
111228 ms      | | | | | +[AADeviceInfo osVersion]
111228 ms      | | | | | | -[AADeviceInfo buildVersion]
/* TID 0x103 */
111228 ms      -[AAUISpinnerViewController viewWillAppears:0x1]

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/* TID 0x11c23 */
111230 ms |     | +[AAPreferences isExperimentalModeEnabled]
111230 ms |     | +[AADeviceInfo isInternalBuild]
111231 ms | -[AARequest bodyDictionary]
111231 ms |     | +[AARequest protocolVersion]
111231 ms |     | +[AADeviceInfo appleIDClientIdentifier]
111231 ms |     | +[AADeviceInfo appleIDClientIdentifier]
111236 ms | +[AADeviceInfo udid]
111237 ms | +[AADeviceInfo udid]
111237 ms |     | +[AADeviceInfo udid]
/* TID 0x103 */
111237 ms -[AAUIServiceIconView didMoveToWindow]
/* TID 0x11c23 */
111237 ms | -[ACAccount description]
111237 ms |     | -[ACAccount username]
111237 ms |     |     | -[ACAccount _useParentForCredentials]
111237 ms |     |     | -[ACAccount authenticationType]
111237 ms |     | -[ACAccount identifier]
111237 ms | -[ACAccount username]
111237 ms |     | -[ACAccount _useParentForCredentials]
111237 ms |     |     | -[ACAccount authenticationType]
111237 ms |     | -[ACAccount aa_password]
111237 ms |     | -[ACAccount credential]
111237 ms |     |     | -[ACAccount credentialWithError:0x0]
111237 ms |     |     | -[ACAccount _useParentForCredentials]
111237 ms |     |     |     | -[ACAccount authenticationType]
111237 ms |     | -[ACAccountCredential password]
111238 ms |     |     | -[ACAccountCredential credentialItemForKey:0x1e7419098]
111238 ms |     |     | -[ACZeroingString length]
111238 ms |     |     | -[ACZeroingString getCharacters:0x129628580 range:0x0]
111238 ms | -[ACAccount username]
111238 ms |     | -[ACAccount _useParentForCredentials]
111238 ms |     |     | -[ACAccount authenticationType]
111238 ms |     | -[ACAccount aa_password]
111238 ms |     | -[ACAccount credential]
111238 ms |     |     | -[ACAccount credentialWithError:0x0]
111238 ms |     |     | -[ACAccount _useParentForCredentials]
111238 ms |     |     |     | -[ACAccount authenticationType]
111238 ms |     | -[ACAccountCredential password]
111238 ms |     |     | -[ACAccountCredential credentialItemForKey:0x1e7419098]
111238 ms |     |     | -[ACZeroingString length]
111238 ms |     |     | -[ACZeroingString getCharacters:0x12961eb90 range:0x0]
111238 ms | -[ACAccount aa_altdSID]
111238 ms |     | -[ACAccount accountPropertyForKey:0x1e8b3c830]
111238 ms |     | -[ACAccount aa_repairState]
111238 ms |     | -[ACAccount parentAccount]
111238 ms |     | -[ACAccount accountPropertyForKey:0x1e8b42bf0]
111238 ms |     | -[ACAccount aa_personID]
111238 ms |     | -[ACAccount accountPropertyForKey:0x1e8b42670]
111238 ms |     | -[AADeviceProvisioningSession initWithDSID:0x2816599c0]
111238 ms |     | -[AADeviceProvisioningSession addProvisioningInfoToURLRequest:0x28100c0
c0 sendEmptyValues:0x0]
111238 ms |     | -[AADeviceProvisioningSession deviceProvisioningInfo]
/* TID 0x103 */
111241 ms -[AAUIServiceIconView didMoveToWindow]
/* TID 0x11c23 */

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111242 ms      | +[AKDevice currentDeviceAuthenticationMode]
111242 ms      |     | +[AKDevice _currentDeviceAuthenticationMode]
111242 /* TID 0x1251f */
111242 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dacc0]
111242 /* TID 0x11c23 */
111244 ms      | +[AARequest redactedHeadersFromHTTPHeaders:0x2807d67c0]
111244 ms      | -[AARequest redactedBodyStringWithPropertyList:0x281659c00]
111244 ms -[AAURLSession dataTaskWithRequest:0x28100c0c0 completion:0x1703f6e40]
111244 ms      | -[AAURLSession _enqueueRequest:0x28100c0c0 completion:0x1703f6e40]
111245 ms      |     | -[AKAppleIDSession initWithIdentifier:0x281cc6e50]
111245 ms      |     | -[AAURLSessionContext _initRequiringSigning:0x1 appleIDSession:0x2
807d6380]
111245 /* TID 0xc533 */
111246 ms -[AAURLSession _sessionQueue_enqueueTask:0x1006f4b90 completion:0x281cc79c0]
111246 /* TID 0x11c23 */
111248 ms -[AAURLSessionContext URLSession:0x104216cb0 task:0x1006f4b90 getAppleIDHe
adersForResponse:0x0 completionHandler:0x1703f6650]
111248 ms      | -[AKAppleIDSession URLSession:0x104216cb0 task:0x12035aed0 getAppleIDHe
adersForResponse:0x0 completionHandler:0x1703f65c0]
111248 ms      |     | -[AKAppleIDSession _generateAppleIDHeadersForSessionTask:0x12035ae
d0 withCompletion:0x1703f6538]
111248 ms      |     |     | -[AKAppleIDSession _nativeAnisetteController]
111248 ms      |     |     | -[AKAnisetteProvisioningController init]
111248 ms      |     |     | -[AKAnisetteProvisioningController anisetteDataForURLRequest:
0x28100c4f0 completion:0x1703f6428]
111248 ms      |     |     | -[AKAnisetteProvisioningController fetchAnisetteDataAndP
rovisionIfNecessary:0x1 withCompletion:0x1703f6428]
111248 ms      |     |     | -[AKAnisetteProvisioningController _anisetteService
Connection]
111248 ms      |     |     | +[AKAnisetteProvisioningDaemonInterface XPCInt
erface]
111248 ms      |     |     | +[AKAnisetteProvisioningClientInterface XPCInt
erface]
111248 /* TID 0x103 */
111254 ms -[ACNotificationRebroadcaster _accountStoreDidChange:0x281c22490]
111254 /* TID 0xf107 */
111254 ms +[AKAnisetteData supportsSecureCoding]
111254 ms -[AKAppleIDSession _genericAppleIDHeadersDictionaryForRequest:0x28100c4f0]
111254 /* TID 0x103 */
111254 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x2816bfce0]
111254 ms      | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dacc0]
111254 ms -[ACAccount credentialsChanged:0x2816bfce0]
111254 ms      | -[ACAccount identifier]
111254 /* TID 0xf107 */
111255 ms      | +[AKDevice currentDevice]
111255 ms      | -[AKDevice locale]
111255 ms -[AKAnisetteData machineID]
111255 ms -[AKAnisetteData oneTimePassword]
111255 ms -[AKAnisetteData routingInfo]
111255 ms +[AKDevice currentDevice]
111255 ms -[AKDevice localUserUUID]
111255 ms +[AKConfiguration sharedConfiguration]
111255 ms -[AKConfiguration shouldAllowTestApplication]
111255 ms      | -[AKConfiguration configurationValueForKey:0x1e8b17ff8]
111255 ms -[AKAppleIDSession _pairedDeviceAnisetteController]

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111255 ms -[AAURLSessionContext _additionalHeadersForRequest:0x28100daa0 completion:0x
1701c6270]
111255 ms | -[AAURLSessionContext requiresSigning]
/* TID 0xc533 */
111255 ms -[ACAccountStore dmc_visibleRemoteManagementAccounts]
111255 ms | -[ACAccountStore dmc_RemoteManagementAccounts]
111255 ms | | -[ACAccountStore dmc_RemoteManagementAccountType]
111255 ms | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e741
8c58]
111255 ms | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418c58 error:0x0]
111255 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
111255 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e4c
0]
111255 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0x103 */
111255 ms -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283c299
00 completion:0x16fd69d98]
111255 ms | -[ACAccountStore remoteAccountStoreSession]
111255 ms | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
111255 ms | | | -[ACTimedExpirer _unsafeCancelTimer]
111255 ms | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
111255 ms | | -[ACRemoteAccountStoreSession _connection]
111256 ms -[AMSAccountsChangedObservable _accountStoreDidChange:0x2816be8a0]
111256 ms | +[AMSLogConfig sharedAccountsConfig]
111256 ms | -[AMSLogConfig OSLogObject]
111256 ms | | -[AMSLogConfig propertyAccessQueue]
111256 ms | | -[AMSLogConfig backingOSLogObject]
/* TID 0xf107 */
111256 ms | -[AAURLSessionContext remoteServer]
111256 ms | | +[AARemoteServer sharedServer]
111256 ms | -[AARemoteServer configurationWithCompletion:0x1701c61f0]
111256 ms | | -[AARemoteServer _configurationAndResponseWithCompletion:0x1701c61
98]
111256 ms | | | -[AARemoteServer _configurationCacheInvalidateingIfNecessary]
111256 ms | | | | -[AARemoteServer _configurationLock_configurationCacheIn
validatingIfNecessary]
111256 ms | | | | | -[AARemoteServerConfigurationCache creationDate]
111256 ms | | | | | -[AARemoteServerConfigurationCache configuration]
111256 ms | | | | | -[AARemoteServerConfigurationCache response]
111256 ms | | | | +[AADeviceInfo currentInfo]
111256 ms | | | | +[AADeviceInfo udid]
/* TID 0x1251f */
111256 ms +[NSError _web_errorWithDomain:0x1f61f0440 code:0xfffffffffffffc19 URL:0x283
9f5500]
111256 ms | -[NSError _web_initWithDomain_nowarn:0x1f61f0440 code:0xfffffffffffffc1
9 URL:0x2839f5500]
111256 ms | | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffc19 userI
nfo:0x2816bd3e0]
111256 ms | -[NSError userInfo]
111256 ms | -[NSError domain]
111256 ms | -[NSError code]
111256 ms | -[NSError domain]
111256 ms | -[NSError code]
111256 ms | -[NSError userInfo]

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111256 ms -[NSError userInfo]
111256 ms -[NSError domain]
111256 ms -[NSError code]
111256 ms +[NSError errorWithDomain:0x1f61f0440 code:0xfffffffffffffc19 userInfo:0x281
6bc540]
111256 ms | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffc19 userInfo:0
x2816bc540]
111256 ms -[NSError code]
111256 ms -[NSError code]
111256 ms -[NSError description]
111256 ms | -[NSError userInfo]
111256 ms | -[NSError domain]
111256 ms | -[NSError userInfo]
111256 ms | -[NSError domain]
111256 ms | -[NSError userInfo]
111256 ms | -[NSError domain]
111256 ms | -[NSError code]
/* TID 0x11c23 */
111257 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
111257 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
111257 ms | -[ACAccountStore aa_primaryAppleAccount]
111257 ms | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x2810210d0 pr
eloadedProperties:0x0 error:0x0]
111257 ms | | | -[ACAccountStore remoteAccountStoreSession]
/* TID 0xc533 */
111257 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fe7e4a0]
111257 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xf107 */
111257 ms | | | | +[AADeviceInfo currentInfo]
111257 ms | | | | +[AADeviceInfo serialNumber]
111257 ms | | | | -[AAURLConfiguration absintheEnable]
111257 ms | | | | -[AAURLSessionContext _additionalAbsintheHeadersForData:0x120
32b4b0 completion:0x2807ea140]
111258 ms | | | | -[AAURLSessionContext absintheSigner]
/* TID 0x11c23 */
111258 ms | | | | -[ACTimedExpirer scheduleExpiration:0x1703f6410]
111258 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111258 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit
hErrorHandler:0x1703f63f0]
111258 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
111258 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
111258 ms | | | | | -[ACAccountType description]
111258 ms | | | | | | -[ACAccountType accountTypeDescription]
111258 ms | | | | | | -[ACAccountType identifier]
111258 ms | | | | -[ACAccountStore accountsWithAccountType:0x2839f4ee0]
111258 ms | | | | | -[ACAccountType description]
111258 ms | | | | | | -[ACAccountType accountTypeDescription]
111258 ms | | | | | | -[ACAccountType identifier]
/* TID 0xf107 */
111258 ms | | | | | | +[AAAabsintheSigner sharedSigner]
111258 ms | | | | | | -[AAAabsintheSigner signatureForData:0x12032b4b0 completi
on:0x1701c5f28]
111258 ms | | | | | | -[AAAabsintheSigner _contextWithCompletion:0x1701c5e

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b0]
111258 ms | | | | | | | -[AAAbsintheSigner context]
111258 ms | | | | | | | -[AAAbsintheSigner _contextLock_contextIn
validatingIfNecessary]
111258 ms | | | | | | | | -[AAAbsintheSignerContextCache creat
ionDate]
111258 ms | | | | | | | | -[AAAbsintheSignerContextCache conte
xt]
111258 ms | | | | | | | | -[AAAbsintheContext cao1NI5PNJBn:0x12032b4b0 e
rror:0x1701c5df8]
/* TID 0xc533 */
111259 ms | | | | -[ACAccountStore remoteAccountStoreSession]
111259 ms | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e470]
111259 ms | | | | -[ACTimedExpirer _unsafeCancelTimer]
111259 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxywit
hErrorHandler:0x16fe7e450]
111259 ms | | | | -[ACRemoteAccountStoreSession _connection]
111259 ms | | | | -[ACAccountType encodeWithCoder:0x10225c800]
111259 ms | | | | -[ACAccountType identifier]
111259 ms | | | | -[ACAccountType accountTypeDescription]
111259 ms | | | | -[ACAccountType objectID]
111259 ms | | | | -[ACAccountType visibility]
111259 ms | | | | -[ACAccountType credentialProtectionPolicy]
111259 ms | | | | -[ACAccountType supportsAuthentication]
111259 ms | | | | -[ACAccountType supportsMultipleAccounts]
111259 ms | | | | -[ACAccountType owningBundleID]
111259 ms | | | | -[ACAccountType isObsolete]

/* TID 0x11c23 */
111259 ms +[ACAccountStore ams_sharedAccountStoreForMediaType:0x1e77eaeb0]
111259 ms | +[AMSUnitTests isRunningUnitTests]
111259 ms | +[ACAccountStore defaultStore]
111260 ms -[ACAccountStore ams_activeiTunesAccount]
111260 ms | -[ACAccountStore ams_mediaType]
111260 ms | | +[MSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
111260 ms | | | +[MSAccountStoreCache cacheAccessQueue]
111260 ms | | | +[MSAccountStoreCache cache]
111260 ms | | | | +[MSAccountStoreCache cacheAccessQueue]
111260 ms | | | +[MSProcessInfo defaultMediaTypeForCurrentProcess]
111260 ms | | | | +[MSUnitTests isRunningUnitTests]
111260 ms | | | | +[MSProcessInfo defaultMediaTypeAccessQueue]
111260 ms | -[ACAccountStore ams_iTunesAccounts]
111260 ms | | -[ACAccountStore ams_mediaType]
111260 ms | | | +[MSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
111260 ms | | | | +[MSAccountStoreCache cacheAccessQueue]
111260 ms | | | | +[MSAccountStoreCache cache]
111260 ms | | | | | +[MSAccountStoreCache cacheAccessQueue]
111260 ms | | | | +[MSProcessInfo defaultMediaTypeForCurrentProcess]
111260 ms | | | | | +[MSUnitTests isRunningUnitTests]
111260 ms | | | | | +[MSProcessInfo defaultMediaTypeAccessQueue]
111260 ms | | | +[ACAccountStore ams_accountTypeIdentifierForMediaType:0x1e77eaeb0
]
111260 ms | | | -[ACAccountStore _ams_accountsWithAccountTypeIdentifier:0x1e741887
8 options:0x1 error:0x1703f65c8]
111260 ms | | | | -[ACAccountStore _ams_accountTypeWithAccountTypeIdentifier:0x
1e7418878 error:0x1703f65c8]
111260 ms | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x

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1e7418878 error:0x1703f64e8]
111260 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
111260 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x1703f628
0]
111260 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111260 ms | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1703f6260]
111260 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
111261 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111261 ms | | | | | | | -[ACAccountType description]
111261 ms | | | | | | | | -[ACAccountType accountTypeDescription]
111261 ms | | | | | | | | -[ACAccountType identifier]
111261 ms | | | | | -[ACAccountStore _ams_accountsWithAccountType:0x2839a8230 opt
ions:0x1 error:0x1703f65c8]
111261 ms | | | | | | -[ACAccountStore accountsWithAccountType:0x2839a8230 opt
ions:0x1 error:0x1703f6548]
111261 ms | | | | | | | -[ACAccountType description]
111261 ms | | | | | | | | -[ACAccountType accountTypeDescription]
111261 ms | | | | | | | | -[ACAccountType identifier]
111261 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
111261 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x1703f621
0]
111261 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
111261 ms | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1703f61f0]
111261 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
111261 ms | | | | | | | -[ACAccountType encodeWithCoder:0x102837c00]
111261 ms | | | | | | | | -[ACAccountType identifier]
111261 ms | | | | | | | | -[ACAccountType accountTypeDescription]
111261 ms | | | | | | | | -[ACAccountType objectID]
111261 ms | | | | | | | | -[ACAccountType visibility]
111261 ms | | | | | | | | -[ACAccountType credentialProtectionPolicy]
111261 ms | | | | | | | | -[ACAccountType supportsAuthentication]
111261 ms | | | | | | | | -[ACAccountType supportsMultipleAccounts]
111261 ms | | | | | | | | -[ACAccountType owningBundleID]
111261 ms | | | | | | | | -[ACAccountType isObsolete]
111266 ms | | | | | | -[ACAccount _setAccountStore:0x283916df0]
111266 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111267 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
111267 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111267 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
111267 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
111267 ms | | | | | | | -[ACAccount description]
111267 ms | | | | | | | | -[ACAccount username]
111267 ms | | | | | | | | | -[ACAccount _useParentForCredentials]
111267 ms | | | | | | | | | | -[ACAccount authenticationType]
111267 ms | | | | | | | | | -[ACAccount identifier]
111267 ms | | | | | -[ACAccount description]
111267 ms | | | | | | -[ACAccount username]
111267 ms | | | | | | | -[ACAccount _useParentForCredentials]
111267 ms | | | | | | | | -[ACAccount authenticationType]
111267 ms | | | | | | | | -[ACAccount identifier]
111267 ms | | | | | -[ACAccount description]
111267 ms | | | | | | -[ACAccount username]
111267 ms | | | | | | | -[ACAccount _useParentForCredentials]
111267 ms | | | | | | | | -[ACAccount authenticationType]

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111267 ms | | | | | -[ACAccount identifier]
111267 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111267 ms | | -[ACAccount isActive]
111267 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111267 ms | | -[ACAccount isActive]
111267 ms | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
111267 ms | | -[ACAccount isActive]
/* TID 0x1251f */
111268 ms +[NSError errorWithDomain:0x1e753a3e0 code:0x1 userInfo:0x281262e60]
111268 ms | -[NSError initWithDomain:0x1e753a3e0 code:0x1 userInfo:0x281262e60]
/* TID 0xf107 */
111268 ms | | | -[AAURLConfiguration baaInterval]
/* TID 0x1251f */
111281 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dea80]
/* TID 0x103 */
111281 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28164f7e0]
111281 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dea80]
111281 ms -[ACAccount credentialsChanged:0x28164f7e0]
111281 ms | -[ACAccount identifier]
/* TID 0x11c23 */
111286 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807daa00]
/* TID 0x103 */
111287 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x2816a8640]
111287 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807daa00]
111287 ms -[ACAccount credentialsChanged:0x2816a8640]
111287 ms | -[ACAccount identifier]
/* TID 0x11c23 */
111292 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dedc0]
/* TID 0x103 */
111292 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28164f860]
111292 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dedc0]
111292 ms -[ACAccount credentialsChanged:0x28164f860]
111292 ms | -[ACAccount identifier]
/* TID 0x11c23 */
111298 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c1180]
/* TID 0x103 */
111298 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169db60]
111298 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c1180]
111298 ms -[ACAccount credentialsChanged:0x28169db60]
111298 ms | -[ACAccount identifier]
/* TID 0x11c23 */
111304 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c1140]
/* TID 0x103 */
111306 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169de60]
111306 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c1140]
111306 ms -[ACAccount credentialsChanged:0x28169de60]
111306 ms | -[ACAccount identifier]
111307 ms +[NSError errorWithDomain:0x1e753a3e0 code:0x1 userInfo:0x1f13a58c8]
111307 ms | -[NSError initWithDomain:0x1e753a3e0 code:0x1 userInfo:0x1f13a58c8]
/* TID 0x1251f */
111310 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith

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Identifier:0x2807e9240]
    /* TID 0x103 */
111310 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111310 ms     | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807e9240]
111310 ms -[ACAccount credentialsChanged:0x28169e200]
111310 ms     | -[ACAccount identifier]
    /* TID 0x1251f */
111316 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807ded00]
    /* TID 0x103 */
111316 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111316 ms     | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807ded00]
111316 ms -[ACAccount credentialsChanged:0x28169e200]
111316 ms     | -[ACAccount identifier]
    /* TID 0xf107 */
111318 ms +[NSError errorWithDomain:0x1e753a3e0 code:0x1 userInfo:0x28164f860]
111318 ms     | -[NSError initWithDomain:0x1e753a3e0 code:0x1 userInfo:0x28164f860]
    /* TID 0x103 */
111319 ms +[NSError errorWithDomain:0x1e753a3e0 code:0x1 userInfo:0x28169cb60]
111319 ms     | -[NSError initWithDomain:0x1e753a3e0 code:0x1 userInfo:0x28169cb60]
    /* TID 0x1251f */
111322 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807d76c0]
    /* TID 0x103 */
111322 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169df60]
111322 ms     | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807d76c0]
111322 ms -[ACAccount credentialsChanged:0x28169df60]
111322 ms     | -[ACAccount identifier]
    /* TID 0x1251f */
111328 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dea80]
    /* TID 0x103 */
111328 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e020]
111328 ms     | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dea80]
111328 ms -[ACAccount credentialsChanged:0x28169e020]
111328 ms     | -[ACAccount identifier]
    /* TID 0x1251f */
111333 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c0a00]
    /* TID 0x103 */
111333 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e020]
111333 ms     | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c0a00]
111333 ms -[ACAccount credentialsChanged:0x28169e020]
111333 ms     | -[ACAccount identifier]
    /* TID 0x1251f */
111338 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c54c0]
    /* TID 0x103 */
111338 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111338 ms     | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c54c0]
111338 ms -[ACAccount credentialsChanged:0x28169e200]
111338 ms     | -[ACAccount identifier]
    /* TID 0x1251f */
111343 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dedc0]
    /* TID 0x103 */

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111343 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111343 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dedc0]
111343 ms -[ACAccount credentialsChanged:0x28169e200]
111343 ms | -[ACAccount identifier]
/* TID 0x1251f */
111348 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dab80]
/* TID 0x103 */
111348 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111348 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dab80]
111348 ms -[ACAccount credentialsChanged:0x28169e200]
111348 ms | -[ACAccount identifier]
/* TID 0x1251f */
111356 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dbec0]
/* TID 0x103 */
111357 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111357 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dbec0]
111357 ms -[ACAccount credentialsChanged:0x28169e200]
111357 ms | -[ACAccount identifier]
/* TID 0x1251f */
111362 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c0ac0]
/* TID 0x103 */
111362 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111362 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c0ac0]
111362 ms -[ACAccount credentialsChanged:0x28169e200]
111362 ms | -[ACAccount identifier]
/* TID 0x1251f */
111368 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c4000]
/* TID 0x103 */
111368 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e020]
111368 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c4000]
111368 ms -[ACAccount credentialsChanged:0x28169e020]
111368 ms | -[ACAccount identifier]
/* TID 0x1251f */
111373 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c54c0]
/* TID 0x103 */
111373 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169e200]
111373 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c54c0]
111373 ms -[ACAccount credentialsChanged:0x28169e200]
111373 ms | -[ACAccount identifier]
111769 ms -[AAUIServiceIconView didMoveToWindow]
111770 ms -[AAUISignInViewController viewDidDisappear:0x1]
111770 ms | -[AAUISignInViewController _endObservingSizeCategoryNotification]
111770 ms | -[AAUISignInViewController _endObservingTextFieldDidChangeNotifications
]
111771 ms | -[AAUISignInViewController _endObservingKeyboardWillShowNotifications]
/* TID 0x1251f */
116376 ms -[AAURLSession URLSession:0x104216cb0 dataTask:0x1006f4b90 didReceiveData:0x
2807c0b40]
116376 ms | -[AAURLSession _sessionQueue_updateTask:0x1006f4b90 withData:0x2807c0b4
0]
116377 ms -[AAURLSession URLSession:0x104216cb0 task:0x1006f4b90 didCompleteWithError:

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0x0]
116377 ms | -[AAURLSession _sessionQueue_dequeueTask:0x1006f4b90 withResponse:0x281263500 error:0x0]
116377 ms | | -[AARequest _handleDataTaskCompletionWithData:0x123b14000 response:0x281263500 error:0x0]
116379 ms | | | +[AALoginAccountRequest responseClass]
116379 ms | | | -[AALoginAccountResponse initWithHTTPResponse:0x281263500 data:a:0x123b14000]
116380 ms | | | | -[AAResponse initWithHTTPResponse:0x281263500 data:0x123b14000 bodyIsPlist:0x1]
116381 ms | | | | | -[AAResponse _parsePlistResponse:0x123b14000]
116384 ms | | | | | -[AAResponse responseDictionary]
116384 ms | | | | | -[AALoginAccountResponse _parseResponse:0xc8 responseBody:y:0x2816b2020]
116384 ms | | | | | | -[AAResponse responseDictionary]
116384 ms | | | | | | -[AAResponse responseDictionary]
116384 ms | | | | | | -[AAResponse responseDictionary]
116384 ms | | | | | | -[AALoginResponseAppleAccountInfo initWithDictionary:y:0x2816591e0]
116384 ms | | | | | | -[AALoginResponseCloudTokens initWithTokens:0x281659e60]
116384 ms | | | | | | -[AALoginResponseDataclasses initWithCloudServiceData:0x2816b03a0]
116385 ms | | | | -[AAResponse error]
116385 ms | | | | -[AALoginAccountResponse convertToProvisioningResponse]
116385 ms | | | | | -[AALoginAccountResponse responseParametersForServiceIdentifier:0x1e8b3f330]
116385 ms | | | | | | -[AALoginAccountResponse responseForDelegates]
116385 ms | | | | | | -[AAProvisioningResponse initWithDictionary:0x2816591e0]
116385 ms | | | | | | | -[AAResponse responseDictionary]
116385 ms | | | | | | | -[AAResponse responseDictionary]
116385 ms | | | | | | | -[AAResponse responseDictionary]
116385 ms | | | | | | | -[AAResponse responseDictionary]
116385 ms | | | | | | | -[AAResponse responseDictionary]
116385 ms | | | | | | | -[AAResponse responseDictionary]
116385 ms | | | | | | | -[ACAccount aa_updateWithProvisioningResponse:0x283126260]
116385 ms | | | | | | | | -[ACAccount username]
116386 ms | | | | | | | | -[ACAccount _useParentForCredentials]
116386 ms | | | | | | | | | -[ACAccount authenticationType]
116386 ms | | | | | | | | -[ACAccount aa_needsToVerifyTerms]
116386 ms | | | | | | | | | -[ACAccount parentAccount]
116386 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42ad0]
116386 ms | | | | | | | | | -[ACAccount aa_suspensionInfo]
116386 ms | | | | | | | | | -[ACAccount parentAccount]
116386 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b3fc90]
116386 ms | | | | | | | | | -[AAAAuthenticationResponse altDSID]
116386 ms | | | | | | | | | -[ACAccount setAccountProperty:0x2807e9640 forKey:0x1e8b3c830]
116386 ms | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116386 ms | | | | | | | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3c830]
116386 ms | | | | | | | | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0x1e8b3c830]
116386 ms | | | | | | | | | | | -[AAProvisioningResponse dataclassProperties]
116387 ms | | | | | | | | | | | | -[AAProvisioningResponse provisionedDataclasses]
116387 ms | | | | | | | | | | | | -[ACAccount _aa_setDataclassProperties:0x2816591e0]
116387 ms | | | | | | | | | | | | | -[ACAccount setDataclassProperties:0x2816591e0]
116387 ms | | | | | | | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807]

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e9d40]
116387 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e9d40]
116387 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e8600]
116387 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e8600]
116387 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c7270]
116387 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc7270]
116387 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c9aa0]
116387 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc9aa0]
116387 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
caafo]
116387 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281ccaafo]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e8100]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e8100]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c9ef0]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc9ef0]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e8400]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e8400]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c7e70]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc7e70]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c9260]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc9260]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
ea3c0]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807ea3c0]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
daaf0]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cdAAF0]
116388 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
da730]
116388 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cdA730]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e8a40]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e8a40]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c

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c8930]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc8930]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
cbae0]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281ccbæ0]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e9400]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e9400]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
ca580]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cca580]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e9700]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e9700]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c9b60]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc9b60]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
cbfc0]
116389 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281ccbfc0]
116389 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e8e40]
116390 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e8e40]
116390 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
ea200]
116390 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807ea200]
116390 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c8450]
116390 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc8450]
116390 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e9e80]
116390 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e9e80]
116390 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
e4300]
116390 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281ce4300]
116390 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e9a40]
116390 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e9a40]
116390 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281d
17210]
116390 ms | | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281d17210]
116390 ms | | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
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c98f0]
116390 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc98f0]
116390 ms | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
cbc90]
116390 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281ccbc90]
116390 ms | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
ca6a0]
116390 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cca6a0]
116390 ms | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281d
17240]
116390 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281d17240]
116390 ms | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
e9940]
116391 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807e9940]
116391 ms | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
e5740]
116391 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281ce5740]
116391 ms | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x2807
ea880]
116391 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x2807ea880]
116391 ms | | | | | | | -[ACAccount _markDataclassPropertyDirty:0x281c
c8ba0]
116391 ms | | | | | | | -[ACAccount _unsafe_markDataclassProperty
Dirty:0x281cc8ba0]
116391 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417
e18]
116391 ms | | | | | | | -[AAAAuthenticationResponse personID]
116391 ms | | | | | | | -[ACAccount setAccountProperty:0x2816b08e0 forKey:0x1e8b
42670]
116391 ms | | | | | | | -[AAProvisioningResponse firstName]
116391 ms | | | | | | | -[ACAccount setAccountProperty:0x2816b2200 forKey:0x1e8b
3c550]
116391 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116391 ms | | | | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3c550]
116391 ms | | | | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3c550]
116391 ms | | | | | | | -[AAProvisioningResponse lastName]
116391 ms | | | | | | | -[ACAccount setAccountProperty:0x2816b03c0 forKey:0x1e8b
3c570]
116391 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116391 ms | | | | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3c570]
116391 ms | | | | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3c570]
116392 ms | | | | | | | -[AAProvisioningResponse primaryEmail]
116392 ms | | | | | | | -[ACAccount setAccountProperty:0x281cc7ab0 forKey:0x1e8b
3f5f0]
116392 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116392 ms | | | | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f5f0]
116392 ms | | | | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0

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x1e8b3f5f0]
116392 ms | | | | -[AAProvisioningResponse primaryEmailVerified]
116392 ms | | | | -[ACAccount setAccountProperty:0x1f6189af8 forKey:0x1e8b
3f610]
116392 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116392 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f610]
116392 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f610]
116392 ms | | | | -[AAProvisioningResponse appleIDAliases]
116392 ms | | | | -[ACAccount setAccountProperty:0x281cdafa0 forKey:0x1e8b
42710]
116392 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116392 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b42710]
116392 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b42710]
116392 ms | | | | -[AAResponse protocolVersion]
116392 ms | | | | -[ACAccount setAccountProperty:0xb43ecf8729c4e1d3 forKey
:0x1e8b3c650]
116392 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116392 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3c650]
116393 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3c650]
116393 ms | | | | -[AAProvisioningResponse appleID]
116393 ms | | | | -[ACAccount setAccountProperty:0x281cc7ab0 forKey:0x1e8b
3f630]
116393 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116393 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f630]
116393 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f630]
116393 ms | | | | -[AAProvisioningResponse regionInfo]
116393 ms | | | | -[ACAccount setAccountProperty:0x2816b1fe0 forKey:0x1e8b
3f750]
116393 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116393 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f750]
116393 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f750]
116393 ms | | | | -[AAProvisioningResponse isManagedAppleID]
116393 ms | | | | -[ACAccount setAccountProperty:0x1f6189b10 forKey:0x1e8b
3f670]
116393 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116393 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f670]
116393 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f670]
116393 ms | | | | -[AAProvisioningResponse isNotesMigrated]
116393 ms | | | | -[ACAccount setAccountProperty:0x1f6189af8 forKey:0x1e8b
3f690]
116393 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116393 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f690]
116393 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f690]
116394 ms | | | | -[AAProvisioningResponse isRemindersMigrated]
116394 ms | | | | -[ACAccount setAccountProperty:0x1f6189b10 forKey:0x1e8b
42b90]
116394 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116394 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b42b90]
116394 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0

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x1e8b42b90]
116394 ms | | | | -[AAProvisioningResponse isRemindersAutoMigratableToCK]
116394 ms | | | | -[ACAccount setAccountProperty:0x1f6189b10 forKey:0x1e8b
42bb0]
116394 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116394 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b42bb0]
116394 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b42bb0]
116394 ms | | | | -[AAProvisioningResponse isSandboxAccount]
116394 ms | | | | -[ACAccount setAccountProperty:0x1f6189b10 forKey:0x1e8b
3f6f0]
116394 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116394 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f6f0]
116394 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f6f0]
116394 ms | | | | -[AAProvisioningResponse isCloudDocsMigrated]
116394 ms | | | | -[ACAccount setAccountProperty:0x1f6189af8 forKey:0x1e8b
42b50]
116394 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116394 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b42b50]
116394 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b42b50]
116394 ms | | | | -[AAProvisioningResponse isCloudDocsMigrated]
116394 ms | | | | -[ACAccount setAccountProperty:0x1f6189af8 forKey:0x1e8b
42b10]
116394 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116395 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b42b10]
116395 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b42b10]
116395 ms | | | | -[AAProvisioningResponse hasOptionalTerms]
116395 ms | | | | -[ACAccount setAccountProperty:0x1f6189b10 forKey:0x1e8b
3f730]
116395 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116395 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f730]
116395 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f730]
116395 ms | | | | -[AAProvisioningResponse isFamilyEligible]
116395 ms | | | | -[ACAccount setAccountProperty:0x1f6189af8 forKey:0x1e8b
3f790]
116395 ms | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417df8]
116395 ms | | | | -[ACAccount _markAccountPropertyDirty:0x1e8b3f790]
116395 ms | | | | -[ACAccount _unsafe_markAccountPropertyDirty:0
x1e8b3f790]
116395 ms | | | | -[AAProvisioningResponse provisionedDataclasses]
116395 ms | | | | +[AADataclassManager sharedManager]
116395 ms | | | | -[AADataclassManager init]
116395 ms | | | | -[ACAccountStore init]
116396 ms | | | | -[ACAccountStore initWithRemoteEndpoint:0
x0 effectiveBundleID:0x0]
116396 ms | | | | +[ACTimedExpirer expirerWithTimeout:
0x1e]
116396 ms | | | | -[ACTimedExpirer init]
116396 ms | | | | +[ACTimedExpirer expirerWithTimeout:
0x1e]
116396 ms | | | | -[ACTimedExpirer init]
116396 ms | | | | +[ACNotificationRebroadcaster shared

```

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Rebroadcaster]
116396 ms | | | | | -[AADataclassManager filteredServerProvidedFeatures:0x10
4013130 forAccount:0x282b408c0]
116396 ms | | | | | | -[ACAccount aa_accountClass]
116396 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c1
0]
116396 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b4
2c10]
116396 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e9d40 forAccount:0x282b408c0]
116396 ms | | | | | | | | | +[AADataclassManager sharedManager]
116396 ms | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e9d40]
116397 ms | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e9d40]
116397 ms | | | | | | | | | | | +[AADataclassManager sharedManager]
116397 ms | | | | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x2807e9d40]
116397 ms | | | | | | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116397 ms | | | | | | | | | | | | | -[ACAccount aa_accountClass]
116397 ms | | | | | | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116397 ms | | | | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116397 ms | | | | | | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e8600 forAccount:0x282b408c0]
116397 ms | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116397 ms | | | | | | | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e8600]
116397 ms | | | | | | | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e8600]
116397 ms | | | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116397 ms | | | | | | | | | | | | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x2807e8600]
116397 ms | | | | | | | | | | | | | | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116397 ms | | | | | | | | | | | | | | | | | | | | | -[ACAccount aa_accountClass]
116397 ms | | | | | | | | | | | | | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116397 ms | | | | | | | | | | | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116397 ms | | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cc7270 forAccount:0x282b408c0]
116397 ms | | | | | | | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116397 ms | | | | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc7270]
116397 ms | | | | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc7270]
116400 ms | | | | | | | | | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116400 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281cc7270]
116400 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116400 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[NSError initWithDomain:0x1f61f0180 code
:0xfffffffffffffd5c2 userInfo:0x2816bf080]

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116400 ms | | | | | | | -[NSError initWithDomain:0x1f61f0180 code
:0xfffffffffffffd5c2 userInfo:0x2816bf080]
116401 ms | | | | | | | -[NSError initWithDomain:0x1f61f0180 code
:0xfffffffffffffd5c2 userInfo:0x2816bf080]
116402 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cc9aa0 forAccount:0x282b408c0]
116402 ms | | | | | | | +[AADataclassManager sharedManager]
116402 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc9aa0]
116402 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc9aa0]
116402 ms | | | | | | | +[AADataclassManager sharedManager]
116402 ms | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281cc9aa0]
116402 ms | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116402 ms | | | | | | | -[ACAccount aa_accountClass]
116402 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116403 ms | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116403 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
ccaaef0 forAccount:0x282b408c0]
116403 ms | | | | | | | +[AADataclassManager sharedManager]
116403 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281ccaaef0]
116403 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281ccaaef0]
116403 ms | | | | | | | +[AADataclassManager sharedManager]
116403 ms | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281ccaaef0]
116403 ms | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116405 ms | | | | | | | -[ACAccount aa_accountClass]
116406 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116406 ms | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116406 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e8100 forAccount:0x282b408c0]
116406 ms | | | | | | | +[AADataclassManager sharedManager]
116406 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e8100]
116406 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e8100]
116406 ms | | | | | | | +[AADataclassManager sharedManager]
116406 ms | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x2807e8100]
116406 ms | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116406 ms | | | | | | | -[ACAccount aa_accountClass]
116406 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116406 ms | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116406 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281

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cc9ef0 forAccount:0x282b408c0]
116406 ms | | | | | | | | +[AADataclassManager sharedManager]
116406 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc9ef0]
116406 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc9ef0]
116406 ms | | | | | | | | +[AADataclassManager sharedManager]
116406 ms | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281cc9ef0]
116406 ms | | | | | | | | +[AADataclassManager appBundleIdentifi
fierDictionary]
116406 ms | | | | | | | | -[ACAccount aa_accountClass]
116406 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116406 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116406 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e8400 forAccount:0x282b408c0]
116406 ms | | | | | | | | +[AADataclassManager sharedManager]
116406 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e8400]
116406 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e8400]
116406 ms | | | | | | | | +[AADataclassManager sharedManager]
116406 ms | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x2807e8400]
116406 ms | | | | | | | | +[AADataclassManager appBundleIdentifi
fierDictionary]
116406 ms | | | | | | | | -[ACAccount aa_accountClass]
116406 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116406 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116406 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cc7e70 forAccount:0x282b408c0]
116406 ms | | | | | | | | +[AADataclassManager sharedManager]
116406 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc7e70]
116406 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc7e70]
116407 ms | | | | | | | | +[AADataclassManager sharedManager]
116407 ms | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281cc7e70]
116407 ms | | | | | | | | +[AADataclassManager appBundleIdentifi
fierDictionary]
116408 ms | | | | | | | | -[ACAccount aa_accountClass]
116408 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116408 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116408 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x1e7
416ab8 forAccount:0x282b408c0]
116408 ms | | | | | | | | +[AADataclassManager sharedManager]
116408 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x1e7416ab8]
116408 ms | | | | | | | | -[AADataclassManager _isRestrictedForData

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```

class:0x1e7416ab8]
116408 ms | | | | | | | | +[AADataclassManager sharedManager]
116408 ms | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x1e7416ab8]
116408 ms | | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116408 ms | | | | | | | | -[ACAccount aa_accountClass]
116408 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116408 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116408 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cc9260 forAccount:0x282b408c0]
116408 ms | | | | | | | | +[AADataclassManager sharedManager]
116408 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc9260]
116408 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc9260]
116408 ms | | | | | | | | +[AADataclassManager sharedManager]
116408 ms | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281cc9260]
116408 ms | | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116409 ms | | | | | | | | -[ACAccount aa_accountClass]
116409 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116409 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116409 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7ea3c0 forAccount:0x282b408c0]
116409 ms | | | | | | | | +[AADataclassManager sharedManager]
116409 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807ea3c0]
116409 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807ea3c0]
116409 ms | | | | | | | | +[AADataclassManager sharedManager]
116409 ms | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x2807ea3c0]
116409 ms | | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116409 ms | | | | | | | | -[ACAccount aa_accountClass]
116409 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116409 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116409 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cdaf0 forAccount:0x282b408c0]
116409 ms | | | | | | | | +[AADataclassManager sharedManager]
116409 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cdaf0]
116409 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cdaf0]
116409 ms | | | | | | | | +[AADataclassManager sharedManager]
116409 ms | | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281cdaf0]
116409 ms | | | | | | | | +[AADataclassManager appBundleIdentifi

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fierDictionary]
116410 ms | | | | | | | -[ACAccount aa_accountClass]
116410 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116410 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116410 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cda730 forAccount:0x282b408c0]
116410 ms | | | | | | | | +[AADataclassManager sharedManager]
116410 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cda730]
116410 ms | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cda730]
116410 ms | | | | | | | | | | +[AADataclassManager sharedManager]
116410 ms | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281cda730]
116410 ms | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
fierDictionary]
116412 ms | | | | | | | -[ACAccount aa_accountClass]
116412 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116412 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116412 ms | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e8a40 forAccount:0x282b408c0]
116412 ms | | | | | | | | | | | +[AADataclassManager sharedManager]
116412 ms | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e8a40]
116412 ms | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e8a40]
116412 ms | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116412 ms | | | | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x2807e8a40]
116412 ms | | | | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
fierDictionary]
116412 ms | | | | | | | -[ACAccount aa_accountClass]
116412 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116412 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116412 ms | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cc8930 forAccount:0x282b408c0]
116412 ms | | | | | | | | | | | +[AADataclassManager sharedManager]
116412 ms | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc8930]
116412 ms | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc8930]
116412 ms | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116412 ms | | | | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281cc8930]
116412 ms | | | | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
fierDictionary]
116412 ms | | | | | | | -[ACAccount aa_accountClass]
116412 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116412 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x

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1e8b42c10]
116412 ms | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
ccbae0 forAccount:0x282b408c0]
116412 ms | | | | | | +[AADataclassManager sharedManager]
116412 ms | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281ccbae0]
116412 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281ccbae0]
116412 ms | | | | | | | +[AADataclassManager sharedManager]
116413 ms | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281ccbae0]
116413 ms | | | | | | | | +[AADataclassManager AppBundleIdentifi
erDictionary]
116414 ms | | | | | | | | -[ACAccount aa_accountClass]
116414 ms | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116414 ms | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116414 ms | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e9400 forAccount:0x282b408c0]
116414 ms | | | | | | | | | | | +[AADataclassManager sharedManager]
116414 ms | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e9400]
116414 ms | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e9400]
116414 ms | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116414 ms | | | | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x2807e9400]
116414 ms | | | | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
erDictionary]
116414 ms | | | | | | | | | | | | | | -[ACAccount aa_accountClass]
116414 ms | | | | | | | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116414 ms | | | | | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116414 ms | | | | | | | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cca580 forAccount:0x282b408c0]
116415 ms | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116415 ms | | | | | | | | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cca580]
116415 ms | | | | | | | | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cca580]
116415 ms | | | | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116415 ms | | | | | | | | | | | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281cca580]
116415 ms | | | | | | | | | | | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
erDictionary]
116415 ms | | | | | | | | | | | | | | | | | | | | | | -[ACAccount aa_accountClass]
116415 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116415 ms | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116415 ms | | | | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
ccbfc0 forAccount:0x282b408c0]
116415 ms | | | | | | | | | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116415 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe

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movedForDataclass:0x281ccbf0]
116415 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281ccbf0]
116415 ms | | | | | | | | +[AADataclassManager sharedManager]
116415 ms | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281ccbf0]
116415 ms | | | | | | | | +[AADataclassManager AppBundleIdentifi
erDictionary]
116416 ms | | | | | | | | -[ACAccount aa_accountClass]
116416 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116416 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116416 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cc9b60 forAccount:0x282b408c0]
116416 ms | | | | | | | | +[AADataclassManager sharedManager]
116416 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc9b60]
116416 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc9b60]
116416 ms | | | | | | | | +[AADataclassManager sharedManager]
116416 ms | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281cc9b60]
116416 ms | | | | | | | | +[AADataclassManager AppBundleIdentifi
erDictionary]
116416 ms | | | | | | | | -[ACAccount aa_accountClass]
116417 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116417 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116417 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e9700 forAccount:0x282b408c0]
116417 ms | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e9700]
116417 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e9700]
116417 ms | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x2807e9700]
116417 ms | | | | | | | | +[AADataclassManager AppBundleIdentifi
erDictionary]
116417 ms | | | | | | | | -[ACAccount aa_accountClass]
116417 ms | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116417 ms | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116417 ms | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e8e40 forAccount:0x282b408c0]
116417 ms | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e8e40]
116417 ms | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e8e40]
116417 ms | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | -[AADataclassManager AppBundleIdentifierF

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orDataclass:0x2807e8e40]
116417 ms | | | | | | | | | +[AADataclassManager appBundleIdentifierDictionary]
116417 ms | | | | | | | | | -[ACAccount aa_accountClass]
116417 ms | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
116417 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
116417 ms | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x2807ea200 forAccount:0x282b408c0]
116417 ms | | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrMovedForDataclass:0x2807ea200]
116417 ms | | | | | | | | | -[AADataclassManager _isRestrictedForDataclass:0x2807ea200]
116417 ms | | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | | -[AADataclassManager appBundleIdentifierForDataclass:0x2807ea200]
116417 ms | | | | | | | | | +[AADataclassManager appBundleIdentifierDictionary]
116417 ms | | | | | | | | | -[ACAccount aa_accountClass]
116417 ms | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
116417 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
116417 ms | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281cc8450 forAccount:0x282b408c0]
116417 ms | | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrMovedForDataclass:0x281cc8450]
116417 ms | | | | | | | | | -[AADataclassManager _isRestrictedForDataclass:0x281cc8450]
116417 ms | | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | | -[AADataclassManager appBundleIdentifierForDataclass:0x281cc8450]
116417 ms | | | | | | | | | +[AADataclassManager appBundleIdentifierDictionary]
116417 ms | | | | | | | | | -[ACAccount aa_accountClass]
116417 ms | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
116417 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
116417 ms | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x2807e9e80 forAccount:0x282b408c0]
116417 ms | | | | | | | | | +[AADataclassManager sharedManager]
116417 ms | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrMovedForDataclass:0x2807e9e80]
116417 ms | | | | | | | | | -[AADataclassManager _isRestrictedForDataclass:0x2807e9e80]
116418 ms | | | | | | | | | +[AADataclassManager sharedManager]
116418 ms | | | | | | | | | -[AADataclassManager appBundleIdentifierForDataclass:0x2807e9e80]
116418 ms | | | | | | | | | +[AADataclassManager appBundleIdentifierDictionary]
116418 ms | | | | | | | | | -[ACAccount aa_accountClass]
116418 ms | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8

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b42c10]
116418 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116418 ms | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e9a40 forAccount:0x282b408c0]
116418 ms | | | | | | | | | +[AADataclassManager sharedManager]
116418 ms | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e9a40]
116418 ms | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e9a40]
116418 ms | | | | | | | | | | | +[AADataclassManager sharedManager]
116418 ms | | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x2807e9a40]
116418 ms | | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
fierDictionary]
116418 ms | | | | | | | | | | | | | -[ACAccount aa_accountClass]
116418 ms | | | | | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116418 ms | | | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116418 ms | | | | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
d17210 forAccount:0x282b408c0]
116418 ms | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116418 ms | | | | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281d17210]
116418 ms | | | | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281d17210]
116418 ms | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116418 ms | | | | | | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281d17210]
116418 ms | | | | | | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
fierDictionary]
116418 ms | | | | | | | | | | | | | | | | | -[ACAccount aa_accountClass]
116418 ms | | | | | | | | | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116418 ms | | | | | | | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116418 ms | | | | | | | | | | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cc98f0 forAccount:0x282b408c0]
116418 ms | | | | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116418 ms | | | | | | | | | | | | | | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cc98f0]
116418 ms | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cc98f0]
116418 ms | | | | | | | | | | | | | | | | | | | | | +[AADataclassManager sharedManager]
116418 ms | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager AppBundleIdentifierF
orDataclass:0x281cc98f0]
116418 ms | | | | | | | | | | | | | | | | | | | | | | +[AADataclassManager AppBundleIdentifi
fierDictionary]
116419 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount aa_accountClass]
116419 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116419 ms | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116419 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
ccbc90 forAccount:0x282b408c0]

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116419 ms | | | | | | | +[AADataclassManager sharedManager]
116419 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281ccbc90]
116419 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281ccbc90]
116419 ms | | | | | | | +[AADataclassManager sharedManager]
116419 ms | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281ccbc90]
116419 ms | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116420 ms | | | | | | | -[ACAccount aa_accountClass]
116420 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116421 ms | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116421 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
cca6a0 forAccount:0x282b408c0]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281cca6a0]
116421 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281cca6a0]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281cca6a0]
116421 ms | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116421 ms | | | | | | | -[ACAccount aa_accountClass]
116421 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116421 ms | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116421 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281
ce5740 forAccount:0x282b408c0]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x281ce5740]
116421 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x281ce5740]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager appBundleIdentifierF
orDataclass:0x281ce5740]
116421 ms | | | | | | | +[AADataclassManager appBundleIdentifi
erDictionary]
116421 ms | | | | | | | -[ACAccount aa_accountClass]
116421 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8
b42c10]
116421 ms | | | | | | | -[ACAccount accountPropertyForKey:0x
1e8b42c10]
116421 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x280
7e9940 forAccount:0x282b408c0]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrRe
movedForDataclass:0x2807e9940]
116421 ms | | | | | | | -[AADataclassManager _isRestrictedForData
class:0x2807e9940]

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116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager AppBundleIdentifierForDataclass:0x2807e9940]
116421 ms | | | | | | | +[AADataclassManager AppBundleIdentifierDictionary]
116421 ms | | | | | | | -[ACAccount aa_accountClass]
116421 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
116421 ms | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
116421 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x2807ea880 forAccount:0x282b408c0]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrMovedForDataclass:0x2807ea880]
116421 ms | | | | | | | -[AADataclassManager _isRestrictedForDataclass:0x2807ea880]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager AppBundleIdentifierForDataclass:0x2807ea880]
116421 ms | | | | | | | +[AADataclassManager AppBundleIdentifierDictionary]
116421 ms | | | | | | | -[ACAccount aa_accountClass]
116421 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
116421 ms | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
116421 ms | | | | | | | -[AADataclassManager shouldProvisionDataclass:0x281cc8ba0 forAccount:0x282b408c0]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager isSystemAppRestrictedOrMovedForDataclass:0x281cc8ba0]
116421 ms | | | | | | | -[AADataclassManager _isRestrictedForDataclass:0x281cc8ba0]
116421 ms | | | | | | | +[AADataclassManager sharedManager]
116421 ms | | | | | | | -[AADataclassManager AppBundleIdentifierForDataclass:0x281cc8ba0]
116421 ms | | | | | | | +[AADataclassManager AppBundleIdentifierDictionary]
116421 ms | | | | | | | -[ACAccount aa_accountClass]
116421 ms | | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
116421 ms | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
116421 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x2807e9d40]
116421 ms | | | | | | | | -[ACAccount accountStore]
116421 ms | | | | | | | | +[ACAccountStore defaultStore]
116421 ms | | | | | | | | -[ACAccountStore provisionedDataclassesForAccount:0x282b408c0 error:0x170482160]
116421 ms | | | | | | | | -[ACAccount description]
116421 ms | | | | | | | | -[ACAccount username]
116421 ms | | | | | | | | -[ACAccount _useParentForCredentials]
116421 ms | | | | | | | | -[ACAccount authenticationType]
116422 ms | | | | | | | | -[ACAccount identifier]
116422 ms | | | | | | | | -[ACAccountStore remoteAccountStoreSession]

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116422 ms | | | | | | | -[ACTimedExpirer scheduleExpiration:0x170
481f00]
116422 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
116422 ms | | | | | | | -[ACRemoteAccountStoreSession synchronousRemot
eObjectProxyWithErrorHandler:0x170481ee0]
116422 ms | | | | | | | -[ACRemoteAccountStoreSession _connection
]
116422 ms | | | | | | | -[ACAccount identifier]
116423 ms | | | | | | | -[ACTrackedSet init]
116423 ms | | | | | | | | -[ACTrackedSet initWithObjects:0x0 count:0x0]
116423 ms | | | | | | | -[ACMutableTrackedSet addObject:0x2807e9d40]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x2807e8600]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x2807e8600]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281cc9aa0]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281cc9aa0]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281ccaaf0]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281ccaaf0]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x2807e8400]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x2807e8400]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281cc9ef0]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281cc9ef0]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281cc7e70]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281cc7e70]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x2807e8100]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x2807e8100]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x1e7416ab8]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x1e7416ab8]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281cc9260]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281cc9260]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x2807ea3c0]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x2807ea3c0]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281cdAAF0]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281cdAAF0]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281cdA730]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281cdA730]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x2807e8a40]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x2807e8a40]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281cc8930]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281cc8930]
116423 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417dd8]
116423 ms | | | | | | | -[ACAccount setProvisioned:0x1 forDataclass:0x281ccbAE0]
116423 ms | | | | | | | | -[ACMutableTrackedSet addObject:0x281ccbAE0]

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116424 ms | | | | | -[ACAccount parentAccount]
116424 ms | | | | | -[ACAccount accountStore]
116424 ms | | | | | | +[ACAccountStore defaultStore]
116424 ms | | | | | -[ACAccountStore enabledDataclassesForAccount:0x282
b408c0 error:0x170482198]
116424 ms | | | | | | -[ACAccount description]
116424 ms | | | | | | | -[ACAccount username]
116424 ms | | | | | | | | -[ACAccount _useParentForCredentials
]
116424 ms | | | | | | | | | -[ACAccount authenticationType]
116424 ms | | | | | | | | | -[ACAccount identifier]
116424 ms | | | | | | | -[ACAccountStore remoteAccountStoreSession]
116424 ms | | | | | | | | -[ACTimedExpirer scheduleExpiration:0x170
481f30]
116424 ms | | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
116424 ms | | | | | | | -[ACRemoteAccountStoreSession synchronousRemot
eObjectProxyWithErrorHandler:0x170481f10]
116424 ms | | | | | | | | -[ACRemoteAccountStoreSession _connection
]
116424 ms | | | | | | | | | -[ACAccount identifier]
116425 ms | | | | | -[ACAccount provisionedDataclasses]
116425 ms | | | | | | -[ACAccount parentAccount]
116425 ms | | | | | -[ACAccount aa_updateTokensWithProvisioningResponse:0x28
3126260]
116425 ms | | | | | | | -[AAAuthenticationResponse authToken]
116425 ms | | | | | | -[ACAccount aa_setAuthToken:0x282b2d960]
116425 ms | | | | | | | -[ACAccount credential]
116425 ms | | | | | | | | -[ACAccount credentialWithError:0x0]
116425 ms | | | | | | | | | -[ACAccount _useParentForCredentials
]
116425 ms | | | | | | | | | -[ACAccount authenticationType]
116425 ms | | | | | | | | | -[ACAccountCredential token]
116425 ms | | | | | | | | | | -[ACAccountCredential credentialItemForKe
y:0x1e74190b8]
116425 ms | | | | | | | | | | -[ACAccount credential]
116425 ms | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116425 ms | | | | | | | | | | | -[ACAccount _useParentForCredentials
]
116425 ms | | | | | | | | | | | -[ACAccount authenticationType]
116425 ms | | | | | | | | | | | -[ACAccount credential]
116425 ms | | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116425 ms | | | | | | | | | | | | -[ACAccount _useParentForCredentials
]
116425 ms | | | | | | | | | | | | -[ACAccount authenticationType]
116425 ms | | | | | | | | | | | | -[ACAccountCredential setToken:0x282b2d960]
116425 ms | | | | | | | | | | | | | -[ACAccountCredential setCredentialItem:0
x282b2d960 forKey:0x1e74190b8]
116425 ms | | | | | | | | | | | | | -[ACZeroingString initWithString:0x2
82b2d960]
116425 ms | | | | | | | | | | | | | | -[ACAccountCredential _markPropertyD
irty:0x1e7419578]
116425 ms | | | | | | | | | | | | | | | -[ACAccount _markCredentialDirt
y]
116425 ms | | | | | | | | | | | | | | | | -[ACAccount _markPropertyD
irty:0x1e7417d98]
116425 ms | | | | | | | | | | | | | | | | | -[ACAccount _unsafe_m

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arkPropertyDirty:0x1e7417d98]
116426 ms | | | | | | | -[ACAccount setAuthenticated:0x1]
116426 ms | | | | | | | | -[ACAccount _useParentForCredentials]
116426 ms | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1
e7417d78]
116426 ms | | | | | | | -[ACAccount setLastCredentialRenewalRejec
tionDate:0x0]
116426 ms | | | | | | | | -[ACAccount _useParentForCredentials
]
116426 ms | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | | | -[ACAccount _unsafe_markPropertyDirt
y:0x1e7417ed8]
116426 ms | | | | | | | -[AAAuthenticationResponse mapsToken]
116426 ms | | | | | | | | -[ACAccount aa_setMapsToken:0x282b2da40]
116426 ms | | | | | | | | | -[ACAccount credential]
116426 ms | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116426 ms | | | | | | | | | | -[ACAccount _useParentForCredentials
]
116426 ms | | | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | | | | | -[ACAccountCredential mapsToken]
116426 ms | | | | | | | | | | | | -[ACAccountCredential credentialItemForKe
y:0x1e7419278]
116426 ms | | | | | | | | | | | | -[ACAccount credential]
116426 ms | | | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116426 ms | | | | | | | | | | | | | | -[ACAccount _useParentForCredentials
]
116426 ms | | | | | | | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | | | | | | | | | -[ACAccount credential]
116426 ms | | | | | | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116426 ms | | | | | | | | | | | | | | | | -[ACAccount _useParentForCredentials
]
116426 ms | | | | | | | | | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | | | | | | | | | | | -[ACAccountCredential setMapsToken:0x282b2da40
]
116426 ms | | | | | | | | | | | | | | | | | | -[ACAccountCredential setCredentialItem:0
x282b2da40 forKey:0x1e7419278]
116426 ms | | | | | | | | | | | | | | | | | | | -[ACZeroingString initWithString:0x2
82b2da40]
116426 ms | | | | | | | | | | | | | | | | | | | | -[ACAccountCredential _markPropertyD
irty:0x1e7419578]
116426 ms | | | | | | | | | | | | | | | | | | | | -[ACAccount _markCredentialDirt
y]
116426 ms | | | | | | | | | | | | | | | | | | | | | -[ACAccount _markPropertyD
irty:0x1e7417d98]
116426 ms | | | | | | | | | | | | | | | | | | | | | | -[ACAccount _unsafe_m
arkPropertyDirty:0x1e7417d98]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | -[AAAuthenticationResponse mdmServerToken]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | | -[AAProvisioningResponse searchPartyToken]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount credential]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2d340
forKey:0x1e74193f8]
116426 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACZeroingString initWithString:0x282b2d340]

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116426 ms | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7
419578]
116426 ms | | | | | | | -[ACAccount _markCredentialDirty]
116426 ms | | | | | | | | -[ACAccount _markPropertyDirty:0x1e7
417d98]
116426 ms | | | | | | | | | -[ACAccount _unsafe_markPropert
yDirty:0x1e7417d98]
116426 ms | | | | | | | -[AAProvisioningResponse keyTransparencyToken]
116426 ms | | | | | | | -[ACAccount credential]
116426 ms | | | | | | | | -[ACAccount credentialWithError:0x0]
116426 ms | | | | | | | | | -[ACAccount _useParentForCredentials]
116426 ms | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2c9a0
forKey:0x1e7419418]
116426 ms | | | | | | | | -[ACZeroingString initWithString:0x282b2c9a0]
116426 ms | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7
419578]
116426 ms | | | | | | | | | -[ACAccount _markCredentialDirty]
116426 ms | | | | | | | | | | -[ACAccount _markPropertyDirty:0x1e7
417d98]
116426 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropert
yDirty:0x1e7417d98]
116426 ms | | | | | | | | | | | | -[AAAAuthenticationResponse cloudKitToken]
116426 ms | | | | | | | | | | -[ACAccount credential]
116426 ms | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116426 ms | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
116426 ms | | | | | | | | | | | | -[ACAccount authenticationType]
116426 ms | | | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2df80
forKey:0x1e7419318]
116426 ms | | | | | | | | | | -[ACZeroingString initWithString:0x282b2df80]
116426 ms | | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7
419578]
116426 ms | | | | | | | | | | | -[ACAccount _markCredentialDirty]
116426 ms | | | | | | | | | | | | -[ACAccount _markPropertyDirty:0x1e7
417d98]
116426 ms | | | | | | | | | | | | | -[ACAccount _unsafe_markPropert
yDirty:0x1e7417d98]
116426 ms | | | | | | | | | | | | | -[ACAccount aa_cloudKitAccount]
116426 ms | | | | | | | | | | | | | -[ACAccount childAccountsWithAccountTypeIdentifi
fier:0x1e7418a58]
116426 ms | | | | | | | | | | | | | | -[ACAccount accountStore]
116426 ms | | | | | | | | | | | | | | | +[ACAccountStore defaultStore]
116426 ms | | | | | | | | | | | | | | | -[ACAccountStore childAccountsForAccount:
0x282b408c0 withTypeIdentifier:0x1e7418a58]
116427 ms | | | | | | | | | | | | | | | | -[ACAccount description]
116427 ms | | | | | | | | | | | | | | | | | -[ACAccount username]
116427 ms | | | | | | | | | | | | | | | | | | -[ACAccount _useParentForC
redentials]
116427 ms | | | | | | | | | | | | | | | | | | | -[ACAccount authenticationType]
116427 ms | | | | | | | | | | | | | | | | | | | | -[ACAccount identifier]
116427 ms | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore remoteAccountStores
ession]
116427 ms | | | | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer scheduleExpira
tion:0x170481d00]
116427 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer _unsafeCa

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ncelTimer]
116427 ms | | | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x170481ce0]
116427 ms | | | | | | | | | -[ACRemoteAccountStoreSession _connection]
116427 ms | | | | | | | | | -[ACAccount identifier]
116427 ms | | | | | | | | | -[ACAccount username]
116427 ms | | | | | | | | | -[ACAccount _useParentForCredentials]
116427 ms | | | | | | | | | -[ACAccount authenticationType]
116427 ms | | | | | | | | | +[AAKeychainManager initialize]
116432 ms | | | | | | | | | +[AAKeychainManager setPassword:0x282b2df80 forServiceName:0x1e8b42d10 username:0x281d07cc0 accessGroup:0x1e8b42d30]
116432 ms | | | | | | | | | | +[AAKeychainManager passwordForServiceName:0x1e8b42d10 username:0x281d07cc0 accessGroup:0x1e8b42d30]
116440 ms | | | | | | | | | | -[AAAAuthenticationResponse fmipToken]
116440 ms | | | | | | | | | | -[ACAccount credential]
116440 ms | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116440 ms | | | | | | | | | | | -[ACAccount _useParentForCredentials]
116440 ms | | | | | | | | | | | -[ACAccount authenticationType]
116440 ms | | | | | | | | | | | -[ACAccountCredential setFindMyiPhoneToken:0x282b2db20]
116440 ms | | | | | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2db20 forKey:0x1e7419218]
116440 ms | | | | | | | | | | | | -[ACZeroingString initWithString:0x282b2db20]
116440 ms | | | | | | | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7419578]
116440 ms | | | | | | | | | | | | | | -[ACAccount _markCredentialDirty]
116440 ms | | | | | | | | | | | | | | -[ACAccount _markPropertyDirty:0x1e7417d98]
116440 ms | | | | | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417d98]
116440 ms | | | | | | | | | | | | | | -[AAProvisioningResponse fmipAppToken]
116440 ms | | | | | | | | | | | | | -[ACAccount credential]
116440 ms | | | | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116440 ms | | | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
116440 ms | | | | | | | | | | | | | | -[ACAccount authenticationType]
116440 ms | | | | | | | | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2dc0 forKey:0x1e7419238]
116440 ms | | | | | | | | | | | | | | | -[ACZeroingString initWithString:0x282b2dc0]
116440 ms | | | | | | | | | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7419578]
116440 ms | | | | | | | | | | | | | | | | -[ACAccount _markCredentialDirty]
116440 ms | | | | | | | | | | | | | | | | -[ACAccount _markPropertyDirty:0x1e7417d98]
116440 ms | | | | | | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417d98]
116440 ms | | | | | | | | | | | | | | | -[AAProvisioningResponse fmipSiriToken]
116440 ms | | | | | | | | | | | | | | -[ACAccount credential]
116440 ms | | | | | | | | | | | | | | | -[ACAccount credentialWithError:0x0]
116440 ms | | | | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
116440 ms | | | | | | | | | | | | | | | -[ACAccount authenticationType]
116440 ms | | | | | | | | | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2dea0 forKey:0x1e7419258]
116440 ms | | | | | | | | | | | | | | | | -[ACZeroingString initWithString:0x282b2dea0]
116441 ms | | | | | | | | | | | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7

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419578]
116441 ms | | | | | | | -[ACAccount _markCredentialDirty]
116441 ms | | | | | | | -[ACAccount _markPropertyDirty:0x1e7
417d98]
116441 ms | | | | | | | -[ACAccount _unsafe_markPropert
yDirty:0x1e7417d98]
116441 ms | | | | | | -[AAAAuthenticationResponse fmfToken]
116441 ms | | | | | -[ACAccount credential]
116441 ms | | | | | | -[ACAccount credentialWithError:0x0]
116441 ms | | | | | | | -[ACAccount _useParentForCredentials]
116441 ms | | | | | | | | -[ACAccount authenticationType]
116441 ms | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2d880
forKey:0x1e74192b8]
116441 ms | | | | | | | -[ACZeroingString initWithString:0x282b2d880]
116441 ms | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7
419578]
116441 ms | | | | | | | -[ACAccount _markCredentialDirty]
116441 ms | | | | | | | | -[ACAccount _markPropertyDirty:0x1e7
417d98]
116441 ms | | | | | | | | -[ACAccount _unsafe_markPropert
yDirty:0x1e7417d98]
116441 ms | | | | | | | -[AAAAuthenticationResponse fmfAppToken]
116441 ms | | | | | | -[ACAccount credential]
116441 ms | | | | | | | -[ACAccount credentialWithError:0x0]
116441 ms | | | | | | | | -[ACAccount _useParentForCredentials]
116441 ms | | | | | | | | | -[ACAccount authenticationType]
116441 ms | | | | | | | -[ACAccountCredential setCredentialItem:0x282b2e680
forKey:0x1e74192d8]
116441 ms | | | | | | | -[ACZeroingString initWithString:0x282b2e680]
116441 ms | | | | | | | -[ACAccountCredential _markPropertyDirty:0x1e7
419578]
116441 ms | | | | | | | -[ACAccount _markCredentialDirty]
116441 ms | | | | | | | | -[ACAccount _markPropertyDirty:0x1e7
417d98]
116441 ms | | | | | | | | -[ACAccount _unsafe_markPropert
yDirty:0x1e7417d98]
116441 ms | | | | | | | -[AASignInFlowController _verifyLoginResponseForiCloudAccount
:0x282b408c0 withSuccess:0x1 error:0x0 completion:0x2807d6400]
116441 ms | | | | | | | -[ACAccount aa_password]
116441 ms | | | | | | | | -[ACAccount credential]
116441 ms | | | | | | | | | -[ACAccount credentialWithError:0x0]
116441 ms | | | | | | | | | | -[ACAccount _useParentForCredentials]
116441 ms | | | | | | | | | | | -[ACAccount authenticationType]
116441 ms | | | | | | | | -[ACAccountCredential password]
116441 ms | | | | | | | | | -[ACAccountCredential credentialItemForKey:0x1
e7419098]
116441 ms | | | | | | | | | -[ACZeroingString length]
116441 ms | | | | | | | | | -[ACZeroingString getCharacters:0x120370c
70 range:0x0]
116441 ms | | | | | | | | | -[ACAccount setAuthenticated:0x0]
116441 ms | | | | | | | | | | -[ACAccount _useParentForCredentials]
116441 ms | | | | | | | | | | | -[ACAccount authenticationType]
116441 ms | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417d78]
116441 ms | | | | | | | | | | | | -[AASignInFlowController _validateAndEnrollCDPStateForAc
count:0x282b408c0 withCDPContext:0x282558580 completion:0x1704823b8]
116441 ms | | | | | | | | | | | | | -[ACAccount setWarmingUp:0x1]

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116441 ms | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417
eb8]
116441 ms | | | | | | -[ACAccount setEnabled:0x1 forDataclass:0x1e7416758
]
116441 ms | | | | | | | -[ACAccount parentAccount]
116441 ms | | | | | | | -[ACAccount accountStore]
116441 ms | | | | | | | | +[ACAccountStore defaultStore]
116441 ms | | | | | | | -[ACAccountStore enabledDataclassesForAccount:
0x282b408c0 error:0x170482220]
116441 ms | | | | | | | | -[ACAccount description]
116441 ms | | | | | | | | | -[ACAccount username]
116441 ms | | | | | | | | | | -[ACAccount _useParentForCreden
tials]
116441 ms | | | | | | | | | | | -[ACAccount authentication
Type]
116441 ms | | | | | | | | | | | | -[ACAccount identifier]
116441 ms | | | | | | | | | | | -[ACAccountStore remoteAccountStoreSessio
n]
116441 ms | | | | | | | | | | | | -[ACTimedExpirer scheduleExpiration:
0x170481fc0]
116441 ms | | | | | | | | | | | | | -[ACTimedExpirer _unsafeCancelT
imer]
116441 ms | | | | | | | | | | | | | -[ACRemoteAccountStoreSession synchronous
RemoteObjectProxyWithErrorHandler:0x170481fa0]
116441 ms | | | | | | | | | | | | | -[ACRemoteAccountStoreSession _conne
ction]
116441 ms | | | | | | | | | | | | | | -[ACAccount identifier]
116442 ms | | | | | | | | | | | | | -[ACTrackedSet init]
116442 ms | | | | | | | | | | | | | | -[ACTrackedSet initWithObjects:0x0 count:
0x0]
116442 ms | | | | | | | | | | | | | | -[ACMutableTrackedSet addObject:0x1e7416758]
116442 ms | | | | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417
db8]
116442 ms | | | | | | | | | | | | | | | -[ACAccount isProvisionedForDataclass:0x1e7416798]
116442 ms | | | | | | | | | | | | | | | | -[ACAccount provisionedDataclasses]
116442 ms | | | | | | | | | | | | | | | | | -[ACAccount parentAccount]
116442 ms | | | | | | | | | | | | | | | | | | -[ACAccount setEnabled:0x1 forDataclass:0x1e7416798
]
116442 ms | | | | | | | | | | | | | | | | | | | -[ACAccount parentAccount]
116442 ms | | | | | | | | | | | | | | | | | | | | -[ACMutableTrackedSet addObject:0x1e7416798]
116442 ms | | | | | | | | | | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417
db8]
116442 ms | | | | | | | | | | | | | | | | | | | | | -[ACAccount setEnabled:0x1 forDataclass:0x1e74167b8
]
116442 ms | | | | | | | | | | | | | | | | | | | | | | -[ACAccount parentAccount]
116442 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACMutableTrackedSet addObject:0x1e74167b8]
116442 ms | | | | | | | | | | | | | | | | | | | | | | -[ACAccount _unsafe_markPropertyDirty:0x1e7417
db8]
116442 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore saveAccount:0x282b408c0 withComple
tionHandler:0x1704822a0]
116442 ms | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountStore _saveAccount:0x282b408c0 veri
fy:0x1 dataclassActions:0x0 completion:0x1704822a0]
116442 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount accountType]
116442 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType identifier]
116442 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount description]
116442 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount username]

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116442 ms | | | | | | | | | | | -[ACAccount _useParentForCreden
tials]
116442 ms | | | | | | | | | | | -[ACAccount authentication
Type]
116442 ms | | | | | | | | | | | | -[ACAccount identifier]
116442 ms | | | | | | | | | | | | -[ACAccount description]
116442 ms | | | | | | | | | | | | | -[ACAccount username]
116442 ms | | | | | | | | | | | | | -[ACAccount _useParentForCreden
tials]
116442 ms | | | | | | | | | | | | | -[ACAccount authentication
Type]
116442 ms | | | | | | | | | | | | | | -[ACAccount identifier]
116442 ms | | | | | | | | | | | | | | -[ACAccount isDirty]
116442 ms | | | | | | | | | | | | | | -[ACAccount accountType]
116442 ms | | | | | | | | | | | | | | -[ACAccountType identifier]
116442 ms | | | | | | | | | | | | | | -[ACAccountStore _checkSaveRateLimitForAc
countType:0x281d76580]
116442 ms | | | | | | | | | | | | | | -[ACAccountStore longLivedRemoteAccountSt
oreSession]
116442 ms | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSession initWi
thListenerEndpoint:0x0 delegate:0x0]
116442 ms | | | | | | | | | | | | | | | | -[ACAccountStoreClientSideListe
ner initWithDelegate:0x0]
116442 ms | | | | | | | | | | | | | | | | | -[ACAccountStore effectiveBundleID]
116442 ms | | | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSession setEff
ectiveBundleID:0x0]
116442 ms | | | | | | | | | | | | | | | | | | -[ACTimedExpirer scheduleExpiration:
0x170482030]
116442 ms | | | | | | | | | | | | | | | | | | | -[ACTimedExpirer _unsafeCancelT
imer]
116442 ms | | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSession remoteObjec
tProxyWithErrorHandler:0x170482010]
116442 ms | | | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSession _conne
ction]
116442 ms | | | | | | | | | | | | | | | | | | | | | -[ACTrackedXPCCConnection init]
116442 ms | | | | | | | | | | | | | | | | | | | | | +[ACRemoteAccountStoreInterface
XPCInterface]
116443 ms | | | | | | | | | | | | | | | | | | | | | | -[ACRemoteAccountStoreSession _
locked_configureRemoteAccountStoreWithConnection:0x282341900]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | -[ACAccount encodeWithCoder:0x101a84800]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType encodeWithCoder:0x10
1a84800]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType identifier]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType accountTypeDesc
ription]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType objectID]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType visibility]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType credentialProte
ctionPolicy]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType supportsAuthent
ication]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType supportsMultipl
eAccounts]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType owningBundleID]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountType isObsolete]
116443 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | -[ACAccountCredential encodeWithCode

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jectForCoder:0x101a84800]
116444 ms | | | | | | | | | | -[ACZeroingString _allowsDirect
Encoding]
116444 ms | | | | | | | | | | -[ACZeroingString encodeWithCod
er:0x101a84800]
116444 ms | | | | | | | | | | -[ACZeroingString replacementOb
jectForCoder:0x101a84800]
116444 ms | | | | | | | | | | -[ACZeroingString _allowsDirect
Encoding]
116444 ms | | | | | | | | | | -[ACZeroingString encodeWithCod
er:0x101a84800]
116444 ms | | | | | | | | | | -[ACZeroingString replacementOb
jectForCoder:0x101a84800]
116444 ms | | | | | | | | | | -[ACZeroingString _allowsDirect
Encoding]
116444 ms | | | | | | | | | | -[ACZeroingString encodeWithCod
er:0x101a84800]
116444 ms | | | | | | | | | | -[ACZeroingString replacementOb
jectForCoder:0x101a84800]
116444 ms | | | | | | | | | | -[ACZeroingString _allowsDirect
Encoding]
116444 ms | | | | | | | | | | -[ACZeroingString encodeWithCod
er:0x101a84800]
116444 ms | | | | | | | | | | -[ACAccount accountProperties]
116444 ms | | | | | | | | | | -[ACAccount accountPropertiesTransfo
rmer]
116444 ms | | | | | | | | | | -[ACTrackedSet encodeWithCoder:0x101
a84800]
116444 ms | | | | | | | | | | -[ACTrackedSet encodeWithCoder:0x101
a84800]

/* TID 0xf107 */
118692 ms -[ACAccountStore dmc_visibleRemoteManagementAccounts]
118692 ms | -[ACAccountStore dmc_RemoteManagementAccounts]
118692 ms | | -[ACAccountStore dmc_RemoteManagementAccountType]
118692 ms | | | -[ACAccountStore accountTypeWithAccountTypeID:0x1e741
8c58]
118692 ms | | | | -[ACAccountStore accountTypeWithAccountTypeID:0x
1e7418c58 error:0x0]
/* TID 0x103 */
118692 ms -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d109f0]
118692 ms -[ACAccountStore visibleTopLevelAccountsWithAccountTypeID:0x283c277
80 completion:0x16fd69d98]
118692 ms | -[ACAccountStore remoteAccountStoreSession]
118692 ms | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
118692 ms | | | -[ACTimedExpirer _unsafeCancelTimer]
118692 ms | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
118692 ms | | -[ACRemoteAccountStoreSession _connection]
118693 ms -[AMSAccountsChangedObservable _accountStoreDidChange:0x281696a20]
118693 ms | +[AMSLogConfig sharedAccountsConfig]
118693 ms | -[AMSLogConfig OSLogObject]
118693 ms | | -[AMSLogConfig propertyAccessQueue]
118693 ms | | -[AMSLogConfig backingOSLogObject]
/* TID 0xf107 */
118693 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118693 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x1701c64c
0]
118693 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xc533 */
118693 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
118693 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
118693 ms | -[ACAccountStore aa_primaryAppleAccount]

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118693 ms | | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x2810094b0 pr
eloadedProperties:0x0 error:0x0]
118693 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118693 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e410]
118693 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118693 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxywit
hErrorHandler:0x16fe7e3f0]
118693 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xf107 */
118693 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1701c64a0]
118693 ms | | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
118694 ms +[ACAccountStore ams_sharedAccountStoreForMediaType:0x1e77eaeb0]
118694 ms | +[AMSUnitTests isRunningUnitTests]
118694 ms | +[ACAccountStore defaultStore]
/* TID 0xf107 */
118694 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
/* TID 0xc533 */
118694 ms -[ACAccountStore ams_activeiTunesAccount]
/* TID 0xf107 */
118694 ms | | | | | -[ACAccountType description]
118694 ms | | | | | | -[ACAccountType accountTypeDescription]
118694 ms | | | | | | -[ACAccountType identifier]
118694 ms | | | | -[ACAccountStore accountsWithAccountType:0x2839f4e00]
/* TID 0xc533 */
118694 ms | -[ACAccountStore ams_mediaType]
/* TID 0xf107 */
118694 ms | | | | -[ACAccountType description]
118694 ms | | | | | -[ACAccountType accountTypeDescription]
118694 ms | | | | | | -[ACAccountType identifier]
118694 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118694 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x1701c6470]
118694 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118694 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxywit
hErrorHandler:0x1701c6450]
118694 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
118695 ms | | | +[MSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118695 ms | | | | +[MSAccountStoreCache cacheAccessQueue]
/* TID 0xf107 */
118695 ms | | | | -[ACAccountType encodeWithCoder:0x101a84800]
118695 ms | | | | | -[ACAccountType identifier]
118695 ms | | | | | -[ACAccountType accountTypeDescription]
/* TID 0xc533 */
118695 ms | | | | +[MSAccountStoreCache cache]
118695 ms | | | | | +[MSAccountStoreCache cacheAccessQueue]
/* TID 0xf107 */
118695 ms | | | | | -[ACAccountType objectID]
118695 ms | | | | | -[ACAccountType visibility]
/* TID 0xc533 */
118695 ms | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
/* TID 0xf107 */
118695 ms | | | | | -[ACAccountType credentialProtectionPolicy]
/* TID 0xc533 */
118695 ms | | | | | +[AMSUnitTests isRunningUnitTests]

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118695 ms | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
118695 ms | | | | -[ACAccountStore ams_iTunesAccounts]
118695 ms | | | | -[ACAccountStore ams_mediaType]
118695 ms | | | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118695 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]
118695 ms | | | | | +[AMSAccountStoreCache cache]
118695 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]
/* TID 0xf107 */
118695 ms | | | | | -[ACAccountType supportsAuthentication]
/* TID 0xc533 */
118695 ms | | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
118695 ms | | | | | | +[AMSUnitTests isRunningUnitTests]
/* TID 0xf107 */
118695 ms | | | | | | -[ACAccountType supportsMultipleAccounts]
118695 ms | | | | | | -[ACAccountType owningBundleID]
/* TID 0xc533 */
118695 ms | | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
/* TID 0xf107 */
118695 ms | | | | | | -[ACAccountType isObsolete]
/* TID 0xc533 */
118695 ms | | | | +[ACAccountStore ams_accountTypeIdentifierForMediaType:0x1e77eaeb0
]
118695 ms | | | | -[ACAccountStore _ams_accountsWithAccountTypeIdentifier:0x1e741887
8 options:0x1 error:0x16fe7e5c8]
118695 ms | | | | -[ACAccountStore _ams_accountTypeWithIdentifier:0x
1e7418878 error:0x16fe7e5c8]
118695 ms | | | | -[ACAccountStore accountTypeWithIdentifier:0x
1e7418878 error:0x16fe7e4e8]
118695 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118695 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e28
0]
118695 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118695 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fe7e260]
118695 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
118696 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118697 ms | | | | | | -[ACAccountType description]
118697 ms | | | | | | | -[ACAccountType accountTypeDescription]
118697 ms | | | | | | | -[ACAccountType identifier]
118697 ms | | | | | | -[ACAccountStore _ams_accountsWithAccountType:0x283928310 opt
ions:0x1 error:0x16fe7e5c8]
118697 ms | | | | | | -[ACAccountStore accountsWithAccountType:0x283928310 opt
ions:0x1 error:0x16fe7e548]
118697 ms | | | | | | | -[ACAccountType description]
118697 ms | | | | | | | | -[ACAccountType accountTypeDescription]
118697 ms | | | | | | | | -[ACAccountType identifier]
118697 ms | | | | | | -[ACAccountStore remoteAccountStoreSession]
118697 ms | | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e21
0]
118697 ms | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118697 ms | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fe7e1f0]
118697 ms | | | | | | | | -[ACRemoteAccountStoreSession _connection]
118697 ms | | | | | | | | -[ACAccountType encodeWithCoder:0x101069e00]
118697 ms | | | | | | | | -[ACAccountType identifier]
118697 ms | | | | | | | | -[ACAccountType accountTypeDescription]

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118697 ms | | | | | | -[ACAccountType objectID]
118697 ms | | | | | | -[ACAccountType visibility]
118697 ms | | | | | | -[ACAccountType credentialProtectionPolicy]
118697 ms | | | | | | -[ACAccountType supportsAuthentication]
118697 ms | | | | | | -[ACAccountType supportsMultipleAccounts]
118697 ms | | | | | | -[ACAccountType owningBundleID]
118697 ms | | | | | | -[ACAccountType isObsolete]
118700 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
118701 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118701 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
118701 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118701 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
118701 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118701 ms | | | | | -[ACAccount description]
118701 ms | | | | | | -[ACAccount username]
118701 ms | | | | | | | -[ACAccount _useParentForCredentials]
118701 ms | | | | | | | | -[ACAccount authenticationType]
118701 ms | | | | | | -[ACAccount identifier]
118701 ms | | | | | -[ACAccount description]
118701 ms | | | | | | -[ACAccount username]
118701 ms | | | | | | | -[ACAccount _useParentForCredentials]
118701 ms | | | | | | | | -[ACAccount authenticationType]
118701 ms | | | | | | -[ACAccount identifier]
118701 ms | | | | | -[ACAccount description]
118701 ms | | | | | | -[ACAccount username]
118701 ms | | | | | | | -[ACAccount _useParentForCredentials]
118701 ms | | | | | | | | -[ACAccount authenticationType]
118701 ms | | | | | | -[ACAccount identifier]
118701 ms | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118701 ms | | | | | | -[ACAccount isActive]
118701 ms | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118701 ms | | | | | | -[ACAccount isActive]
118701 ms | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118701 ms | | | | | | -[ACAccount isActive]
/* TID 0xf107 */
118705 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807daac0]
118708 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c0b80]
/* TID 0x103 */
118709 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x281697420]
118709 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807daac0]
118709 ms -[ACAccount credentialsChanged:0x281697420]
118709 ms | -[ACAccount identifier]
118709 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x281697420]
118709 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c0b80]
118709 ms -[ACAccount credentialsChanged:0x281697420]
118709 ms | -[ACAccount identifier]
/* TID 0xf107 */
118721 ms -[ACAccountStore dmc_visibleRemoteManagementAccounts]
/* TID 0x103 */
118721 ms -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d27c30]
118722 ms -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283c2b4
00 completion:0x16fd69d98]
118722 ms | -[ACAccountStore remoteAccountStoreSession]
118722 ms | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]

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118722 ms |     |     | -[ACTimedExpirer _unsafeCancelTimer]
118722 ms | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
118722 ms |     | -[ACRemoteAccountStoreSession _connection]
118722 ms -[AMSAccountsChangedObservable _accountStoreDidChange:0x281696260]
118722 ms | +[AMSLogConfig sharedAccountsConfig]
118722 ms | -[AMSLogConfig OSLogObject]
118722 ms |     | -[AMSLogConfig propertyAccessQueue]
118722 ms |     | -[AMSLogConfig backingOSLogObject]
/* TID 0xf107 */
118724 ms | -[ACAccountStore dmc_RemoteManagementAccounts]
118724 ms |     | -[ACAccountStore dmc_RemoteManagementAccountType]
118724 ms |     |     | -[ACAccountStore accountTypeWithAccountTypeID:0x1e741
8c58]
118724 ms |     |     |     | -[ACAccountStore accountTypeWithAccountTypeID:0x
1e7418c58 error:0x0]
118724 ms |     |     |     | -[ACAccountStore remoteAccountStoreSession]
118724 ms |     |     |     |     | -[ACTimedExpirer scheduleExpiration:0x1701c64c
0]
118724 ms |     |     |     |     |     | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xec47 */
118724 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
118724 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
118724 ms | -[ACAccountStore aa_primaryAppleAccount]
118724 ms |     | -[ACAccountStore accountsWithAccountTypeID:0x281008fb0 pr
eloadedProperties:0x0 error:0x0]
118724 ms |     |     | -[ACAccountStore remoteAccountStoreSession]
/* TID 0xf107 */
118724 ms |     |     |     | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1701c64a0]
/* TID 0xec47 */
118724 ms |     |     |     |     | -[ACTimedExpirer scheduleExpiration:0x17059a410]
118724 ms |     |     |     |     | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xf107 */
118724 ms |     |     |     |     |     | -[ACRemoteAccountStoreSession _connection]
/* TID 0xec47 */
118724 ms |     |     |     | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit
hErrorHandler:0x17059a3f0]
118724 ms |     |     |     | -[ACRemoteAccountStoreSession _connection]
/* TID 0xf107 */
118725 ms |     |     |     |     | -[ACAccountType setAccountStore:0x283916df0]
118725 ms |     |     |     |     | -[ACAccountType description]
118725 ms |     |     |     |     | -[ACAccountType accountTypeDescription]
118725 ms |     |     |     |     | -[ACAccountType identifier]
118725 ms |     |     |     | -[ACAccountStore accountsWithAccountType:0x2839220d0]
118725 ms |     |     |     |     | -[ACAccountType description]
118725 ms |     |     |     |     | -[ACAccountType accountTypeDescription]
118725 ms |     |     |     |     | -[ACAccountType identifier]
118725 ms |     |     |     | -[ACAccountStore remoteAccountStoreSession]
118725 ms |     |     |     |     | -[ACTimedExpirer scheduleExpiration:0x1701c6470]
118725 ms |     |     |     |     |     | -[ACTimedExpirer _unsafeCancelTimer]
118725 ms |     |     |     | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit
hErrorHandler:0x1701c6450]
118725 ms |     |     |     |     | -[ACRemoteAccountStoreSession _connection]
118725 ms |     |     |     | -[ACAccountType encodeWithCoder:0x102837400]
118725 ms |     |     |     |     | -[ACAccountType identifier]

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118725 ms | | | | | -[ACAccountType accountTypeDescription]
118725 ms | | | | | -[ACAccountType objectID]
118725 ms | | | | | -[ACAccountType visibility]
118725 ms | | | | | -[ACAccountType credentialProtectionPolicy]
118725 ms | | | | | -[ACAccountType supportsAuthentication]

/* TID 0xec47 */
118725 ms +[ACAccountStore ams_sharedAccountStoreForMediaType:0x1e77eaeb0]
118725 ms | +[AMSUnitTests isRunningUnitTests]
118725 ms | +[ACAccountStore defaultStore]
118725 ms -[ACAccountStore ams_activeiTunesAccount]
118725 ms | -[ACAccountStore ams_mediaType]
118725 ms | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118725 ms | | | +[AMSAccountStoreCache cacheAccessQueue]
118725 ms | | | +[AMSAccountStoreCache cache]
118725 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]
118725 ms | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
118725 ms | | | | | +[AMSUnitTests isRunningUnitTests]
118725 ms | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
118726 ms | -[ACAccountStore ams_iTunesAccounts]
118726 ms | | -[ACAccountStore ams_mediaType]
118726 ms | | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118726 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]
118726 ms | | | | +[AMSAccountStoreCache cache]
118726 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]
118726 ms | | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
118726 ms | | | | | | +[AMSUnitTests isRunningUnitTests]
118726 ms | | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
118726 ms | | | | +[ACAccountStore ams_accountTypeIdentifierForMediaType:0x1e77eaeb0]
]

118726 ms | | | -[ACAccountStore _ams_accountsWithAccountTypeIdentifier:0x1e741887
8 options:0x1 error:0x17059a5c8]
118726 ms | | | | -[ACAccountStore _ams_accountTypeWithAccountTypeIdentifier:0x
1e7418878 error:0x17059a5c8]
118726 ms | | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418878 error:0x17059a4e8]
118726 ms | | | | | | -[ACAccountStore remoteAccountStoreSession]
118726 ms | | | | | | | -[ACTimedExpirer scheduleExpiration:0x17059a28
0]
118726 ms | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]

/* TID 0xf107 */
118726 ms | | | | | -[ACAccountType supportsMultipleAccounts]
118726 ms | | | | | -[ACAccountType owningBundleID]
118726 ms | | | | | -[ACAccountType isObsolete]

/* TID 0xec47 */
118726 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x17059a260]
118726 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
118727 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118727 ms | | | | | | | -[ACAccountType description]
118727 ms | | | | | | | | -[ACAccountType accountTypeDescription]
118727 ms | | | | | | | | -[ACAccountType identifier]
118727 ms | | | | | | -[ACAccountStore _ams_accountsWithAccountType:0x2839f55e0 opt
ions:0x1 error:0x17059a5c8]
118727 ms | | | | | | | -[ACAccountStore accountsWithAccountType:0x2839f55e0 opt
ions:0x1 error:0x17059a548]
118727 ms | | | | | | | | -[ACAccountType description]

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118727 ms | | | | | | -[ACAccountType accountTypeDescription]
118727 ms | | | | | | -[ACAccountType identifier]
118727 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118727 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x17059a21
0]
118727 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118727 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x17059a1f0]
118727 ms | | | | | | | | -[ACRemoteAccountStoreSession _connection]
118727 ms | | | | | | | -[ACAccountType encodeWithCoder:0x102837400]
118727 ms | | | | | | | | -[ACAccountType identifier]
118727 ms | | | | | | | | -[ACAccountType accountTypeDescription]
118728 ms | | | | | | | | -[ACAccountType objectID]
118728 ms | | | | | | | | -[ACAccountType visibility]
118728 ms | | | | | | | | -[ACAccountType credentialProtectionPolicy]
118728 ms | | | | | | | | -[ACAccountType supportsAuthentication]
118728 ms | | | | | | | | -[ACAccountType supportsMultipleAccounts]
118728 ms | | | | | | | | -[ACAccountType owningBundleID]
118728 ms | | | | | | | | -[ACAccountType isObsolete]
118732 ms | | | | | | | | -[ACAccount _setAccountStore:0x283916df0]
118732 ms | | | | | | | | | -[ACAccount setAccountStore:0x283916df0]
118732 ms | | | | | | | | -[ACAccount _setAccountStore:0x283916df0]
118732 ms | | | | | | | | | -[ACAccount setAccountStore:0x283916df0]
118732 ms | | | | | | | | -[ACAccount _setAccountStore:0x283916df0]
118732 ms | | | | | | | | | -[ACAccount setAccountStore:0x283916df0]
118732 ms | | | | | | | | -[ACAccount description]
118732 ms | | | | | | | | | -[ACAccount username]
118732 ms | | | | | | | | | | -[ACAccount _useParentForCredentials]
118732 ms | | | | | | | | | | | -[ACAccount authenticationType]
118732 ms | | | | | | | | | | -[ACAccount identifier]
118732 ms | | | | | | | | | -[ACAccount description]
118732 ms | | | | | | | | | | -[ACAccount username]
118732 ms | | | | | | | | | | | -[ACAccount _useParentForCredentials]
118732 ms | | | | | | | | | | | | -[ACAccount authenticationType]
118732 ms | | | | | | | | | | -[ACAccount identifier]
118732 ms | | | | | | | | | -[ACAccount description]
118732 ms | | | | | | | | | | -[ACAccount username]
118732 ms | | | | | | | | | | | -[ACAccount _useParentForCredentials]
118732 ms | | | | | | | | | | | | -[ACAccount authenticationType]
118732 ms | | | | | | | | | | | -[ACAccount identifier]
118732 ms | | | | | | | | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118732 ms | | | | | | | | | | | | | -[ACAccount isActive]
118732 ms | | | | | | | | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118732 ms | | | | | | | | | | | | | -[ACAccount isActive]
118732 ms | | | | | | | | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118732 ms | | | | | | | | | | | | | -[ACAccount isActive]
/* TID 0xf107 */
118768 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dae40]
/* TID 0x103 */
118768 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169d2c0]
118768 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dae40]
118768 ms -[ACAccount credentialsChanged:0x28169d2c0]
118768 ms | -[ACAccount identifier]
/* TID 0xf107 */
118783 ms -[ACAccountStore dmc_visibleRemoteManagementAccounts]

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/* TID 0x103 */
118783 ms -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d08ea0]
118783 ms -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283cf80
80 completion:0x16fd69d98]
118783 ms | -[ACAccountStore remoteAccountStoreSession]
118783 ms | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
118783 ms | | | -[ACTimedExpirer _unsafeCancelTimer]
118783 ms | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
118783 ms | | -[ACRemoteAccountStoreSession _connection]
118783 ms -[AMSAccountsChangedObservable _accountStoreDidChange:0x28169f1e0]
118783 ms | +[AMSLogConfig sharedAccountsConfig]
118783 ms | -[AMSLogConfig OSLogObject]
118783 ms | | -[AMSLogConfig propertyAccessQueue]
118783 ms | | -[AMSLogConfig backingOSLogObject]
/* TID 0xf107 */
118784 ms | -[ACAccountStore dmc_RemoteManagementAccounts]
118784 ms | | -[ACAccountStore dmc_RemoteManagementAccountType]
118784 ms | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e741
8c58]
118784 ms | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418c58 error:0x0]
118784 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118784 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x1701c64c
0]
118784 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xc533 */
118785 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
118785 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
/* TID 0xf107 */
118785 ms | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1701c64a0]
118785 ms | | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
118785 ms | -[ACAccountStore aa_primaryAppleAccount]
118785 ms | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x2810257f0 pr
eloadedProperties:0x0 error:0x0]
118785 ms | | | -[ACAccountStore remoteAccountStoreSession]
118785 ms | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e410]
118785 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118785 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit
hErrorHandler:0x16fe7e3f0]
118785 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xf107 */
118785 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118785 ms | | | | | | -[ACAccountType description]
118785 ms | | | | | | | -[ACAccountType accountTypeDescription]
118785 ms | | | | | | | -[ACAccountType identifier]
118785 ms | | | | -[ACAccountStore accountsWithAccountType:0x283990fc0]
118785 ms | | | | | -[ACAccountType description]
118785 ms | | | | | | -[ACAccountType accountTypeDescription]
118785 ms | | | | | | | -[ACAccountType identifier]
118785 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118785 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x1701c6470]
118785 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118785 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit

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hErrorHandler:0x1701c6450]
118785 ms | | | | -[ACRemoteAccountStoreSession _connection]
118785 ms | | | -[ACAccountType encodeWithCoder:0x10227d000]
118785 ms | | | | -[ACAccountType identifier]
118785 ms | | | | -[ACAccountType accountTypeDescription]
118785 ms | | | | -[ACAccountType objectID]
118785 ms | | | | -[ACAccountType visibility]
118785 ms | | | | -[ACAccountType credentialProtectionPolicy]
118785 ms | | | | -[ACAccountType supportsAuthentication]
118785 ms | | | | -[ACAccountType supportsMultipleAccounts]
118785 ms | | | | -[ACAccountType owningBundleID]
118786 ms | | | | -[ACAccountType isObsolete]

/* TID 0xc533 */
118786 ms +[ACAccountStore ams_sharedAccountStoreForMediaType:0x1e77eaeb0]
118786 ms | +[AMSUnitTests isRunningUnitTests]
118786 ms | +[ACAccountStore defaultStore]
118786 ms -[ACAccountStore ams_activeiTunesAccount]
118786 ms | -[ACAccountStore ams_mediaType]
118786 ms | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118786 ms | | | +[AMSAccountStoreCache cacheAccessQueue]
118786 ms | | | +[AMSAccountStoreCache cache]
118786 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]
118786 ms | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
118786 ms | | | | +[AMSUnitTests isRunningUnitTests]
118786 ms | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
118786 ms | -[ACAccountStore ams_iTunesAccounts]
118786 ms | | -[ACAccountStore ams_mediaType]
118786 ms | | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118786 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]
118786 ms | | | | +[AMSAccountStoreCache cache]
118786 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]
118787 ms | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
118787 ms | | | | | +[AMSUnitTests isRunningUnitTests]
118787 ms | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
118787 ms | | | +[ACAccountStore ams_accountTypeIdentifierForMediaType:0x1e77eaeb0]
]

118787 ms | | -[ACAccountStore _ams_accountsWithAccountTypeIdentifier:0x1e741887
8 options:0x1 error:0x16fe7e5c8]
118787 ms | | | -[ACAccountStore _ams_accountTypeWithIdentifier:0x
1e7418878 error:0x16fe7e5c8]
118787 ms | | | | -[ACAccountStore accountTypeWithIdentifier:0x
1e7418878 error:0x16fe7e4e8]
118787 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118787 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e28
0]
118787 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118787 ms | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fe7e260]
118787 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
118787 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118787 ms | | | | | | | -[ACAccountType description]
118787 ms | | | | | | | | -[ACAccountType accountTypeDescription]
118787 ms | | | | | | | | -[ACAccountType identifier]
118787 ms | | | | | -[ACAccountStore _ams_accountsWithAccountType:0x2839f5ab0 opt
ions:0x1 error:0x16fe7e5c8]
118787 ms | | | | | | -[ACAccountStore accountsWithAccountType:0x2839f5ab0 opt

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ions:0x1 error:0x16fe7e548]
118787 ms | | | | | -[ACAccountType description]
118787 ms | | | | | | -[ACAccountType accountTypeDescription]
118787 ms | | | | | | -[ACAccountType identifier]
118787 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118787 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e21
0]
118787 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118787 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fe7e1f0]
118787 ms | | | | | -[ACRemoteAccountStoreSession _connection]
118787 ms | | | | | -[ACAccountType encodeWithCoder:0x101a8d400]
118787 ms | | | | | | -[ACAccountType identifier]
118787 ms | | | | | | -[ACAccountType accountTypeDescription]
118787 ms | | | | | | -[ACAccountType objectID]
118787 ms | | | | | | -[ACAccountType visibility]
118787 ms | | | | | | -[ACAccountType credentialProtectionPolicy]
118787 ms | | | | | | -[ACAccountType supportsAuthentication]
118787 ms | | | | | | -[ACAccountType supportsMultipleAccounts]
118787 ms | | | | | | -[ACAccountType owningBundleID]
118787 ms | | | | | | -[ACAccountType isObsolete]
118789 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
118789 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
118789 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
118789 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
118789 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
118789 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
118789 ms | | | | -[ACAccount description]
118789 ms | | | | | -[ACAccount username]
118789 ms | | | | | | -[ACAccount _useParentForCredentials]
118789 ms | | | | | | | -[ACAccount authenticationType]
118789 ms | | | | | | -[ACAccount identifier]
118789 ms | | | | -[ACAccount description]
118789 ms | | | | | -[ACAccount username]
118789 ms | | | | | | -[ACAccount _useParentForCredentials]
118789 ms | | | | | | | -[ACAccount authenticationType]
118789 ms | | | | | | -[ACAccount identifier]
118789 ms | | | | -[ACAccount description]
118789 ms | | | | | -[ACAccount username]
118789 ms | | | | | | -[ACAccount _useParentForCredentials]
118789 ms | | | | | | | -[ACAccount authenticationType]
118789 ms | | | | | | -[ACAccount identifier]
118789 ms | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118789 ms | | | | | -[ACAccount isActive]
118789 ms | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118789 ms | | | | | -[ACAccount isActive]
118789 ms | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118789 ms | | | | | -[ACAccount isActive]
/* TID 0x103 */
118798 ms | | | -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d0c4b0]
/* TID 0xc533 */
118798 ms | | -[ACAccountStore dmc_visibleRemoteManagementAccounts]
118798 ms | | | -[ACAccountStore dmc_RemoteManagementAccounts]
118798 ms | | | | -[ACAccountStore dmc_RemoteManagementAccountType]
118798 ms | | | | | -[ACAccountStore accountTypeWithAccountTypeID:0x1e741
8c58]

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118798 ms | | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418c58 error:0x0]
118798 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
/* TID 0x103 */
118798 ms -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283c0ee
00 completion:0x16fd69d98]
/* TID 0xc533 */
118798 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e4c
0]
/* TID 0x103 */
118798 ms | -[ACAccountStore remoteAccountStoreSession]
118798 ms | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
/* TID 0xc533 */
118798 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0x103 */
118798 ms | | | | -[ACTimedExpirer _unsafeCancelTimer]
118798 ms | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
118798 ms | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
118798 ms | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x16fe7e4a0]
118799 ms | | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0x103 */
118799 ms -[AMSAccountsChangedObservable _accountStoreDidChange:0x281697600]
118799 ms | +[AMSLogConfig sharedAccountsConfig]
118799 ms | -[AMSLogConfig OSLogObject]
118799 ms | | -[AMSLogConfig propertyAccessQueue]
118799 ms | | -[AMSLogConfig backingOSLogObject]
/* TID 0x1251f */
118799 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
118799 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
118799 ms | -[ACAccountStore aa_primaryAppleAccount]
118799 ms | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x281038a30 pr
eloadedProperties:0x0 error:0x0]
/* TID 0xc533 */
118799 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
118799 ms | | | | | -[ACAccountType description]
118799 ms | | | | | | -[ACAccountType accountTypeDescription]
118799 ms | | | | | | -[ACAccountType identifier]
/* TID 0x1251f */
118799 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118799 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x170482410]
118799 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xc533 */
118799 ms | | | | -[ACAccountStore accountsWithAccountType:0x2839f4e00]
118799 ms | | | | | -[ACAccountType description]
118799 ms | | | | | | -[ACAccountType accountTypeDescription]
118799 ms | | | | | | -[ACAccountType identifier]
/* TID 0x1251f */
118799 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit
hErrorHandler:0x1704823f0]
118799 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xc533 */
118799 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118799 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x16fe7e470]

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118799 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118799 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x16fe7e450]
118799 ms | | | | | -[ACRemoteAccountStoreSession _connection]
118799 ms | | | | | -[ACAccountType encodeWithCoder:0x101a84800]
118799 ms | | | | | | -[ACAccountType identifier]
118799 ms | | | | | | -[ACAccountType accountTypeDescription]
118799 ms | | | | | | -[ACAccountType objectID]
118799 ms | | | | | | -[ACAccountType visibility]
118799 ms | | | | | | -[ACAccountType credentialProtectionPolicy]
118799 ms | | | | | | -[ACAccountType supportsAuthentication]
118799 ms | | | | | | -[ACAccountType supportsMultipleAccounts]
118799 ms | | | | | | -[ACAccountType owningBundleID]
118799 ms | | | | | | -[ACAccountType isObsolete]

/* TID 0x1251f */
118800 ms +[ACAccountStore ams_sharedAccountStoreForMediaType:0x1e77eaeb0]
118800 ms | +[AMSUnitTests isRunningUnitTests]
118800 ms | +[ACAccountStore defaultStore]
118800 ms -[ACAccountStore ams_activeiTunesAccount]
118800 ms | -[ACAccountStore ams_mediaType]
118800 ms | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118800 ms | | | +[AMSAccountStoreCache cacheAccessQueue]
118800 ms | | | +[AMSAccountStoreCache cache]
118800 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]
118800 ms | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
118800 ms | | | | +[AMSUnitTests isRunningUnitTests]
118800 ms | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
118800 ms | -[ACAccountStore ams_iTunesAccounts]
118800 ms | | -[ACAccountStore ams_mediaType]
118800 ms | | | +[AMSAccountStoreCache mediaTypeForAccountStore:0x283916df0]
118800 ms | | | | +[AMSAccountStoreCache cacheAccessQueue]
118800 ms | | | | +[AMSAccountStoreCache cache]
118800 ms | | | | | +[AMSAccountStoreCache cacheAccessQueue]
118800 ms | | | | +[AMSProcessInfo defaultMediaTypeForCurrentProcess]
118800 ms | | | | | +[AMSUnitTests isRunningUnitTests]
118800 ms | | | | | +[AMSProcessInfo defaultMediaTypeAccessQueue]
118800 ms | | +[ACAccountStore ams_accountTypeIdentifierForMediaType:0x1e77eaeb0]
]

118800 ms | | | -[ACAccountStore _ams_accountsWithAccountTypeIdentifier:0x1e7418878 options:0x1 error:0x1704825c8]
118800 ms | | | | -[ACAccountStore _ams_accountTypeWithAccountTypeIdentifier:0x1e7418878 error:0x1704825c8]
118800 ms | | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e7418878 error:0x1704824e8]
118800 ms | | | | | | -[ACAccountStore remoteAccountStoreSession]
118800 ms | | | | | | | -[ACTimedExpirer scheduleExpiration:0x170482280]
118800 ms | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118800 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x170482260]
118800 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
118801 ms | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118801 ms | | | | | | | -[ACAccountType description]
118801 ms | | | | | | | | -[ACAccountType accountTypeDescription]
118801 ms | | | | | | | | -[ACAccountType identifier]
118801 ms | | | | -[ACAccountStore _ams_accountsWithAccountType:0x2839f4e00 opt

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ions:0x1 error:0x1704825c8]
118801 ms | | | | | -[ACAccountStore accountsWithAccountType:0x2839f4e00 options:0x1 error:0x170482548]
118801 ms | | | | | | -[ACAccountType description]
118801 ms | | | | | | | -[ACAccountType accountTypeDescription]
118801 ms | | | | | | | -[ACAccountType identifier]
118801 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118801 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x170482210]
118801 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118801 ms | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x1704821f0]
118801 ms | | | | | | -[ACRemoteAccountStoreSession _connection]
118801 ms | | | | | | | -[ACAccountType encodeWithCoder:0x10227d000]
118801 ms | | | | | | | -[ACAccountType identifier]
118801 ms | | | | | | | -[ACAccountType accountTypeDescription]
118801 ms | | | | | | | -[ACAccountType objectID]
118801 ms | | | | | | | -[ACAccountType visibility]
118801 ms | | | | | | | -[ACAccountType credentialProtectionPolicy]
118801 ms | | | | | | | -[ACAccountType supportsAuthentication]
118801 ms | | | | | | | -[ACAccountType supportsMultipleAccounts]
118801 ms | | | | | | | -[ACAccountType owningBundleID]
118801 ms | | | | | | | -[ACAccountType isObsolete]
118803 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
118803 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118803 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
118803 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118803 ms | | | | | -[ACAccount _setAccountStore:0x283916df0]
118803 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118803 ms | | | | | -[ACAccount description]
118803 ms | | | | | | -[ACAccount username]
118803 ms | | | | | | | -[ACAccount _useParentForCredentials]
118803 ms | | | | | | | | -[ACAccount authenticationType]
118803 ms | | | | | | | -[ACAccount identifier]
118803 ms | | | | | -[ACAccount description]
118803 ms | | | | | | -[ACAccount username]
118803 ms | | | | | | | -[ACAccount _useParentForCredentials]
118803 ms | | | | | | | | -[ACAccount authenticationType]
118803 ms | | | | | | | -[ACAccount identifier]
118803 ms | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118803 ms | | | | | | -[ACAccount isActive]
118803 ms | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118803 ms | | | | | | -[ACAccount isActive]
118803 ms | | | | | -[ACAccount ams_isActiveForMediaType:0x1e77eaeb0]
118803 ms | | | | | | -[ACAccount isActive]
/* TID 0xf107 */
118835 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWithIdentifier:0x2807dac40]
/* TID 0x103 */
118835 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169dc40]
118835 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dac40]

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118835 ms -[ACAccount credentialsChanged:0x28169dc40]
118835 ms | -[ACAccount identifier]
118835 ms | -[ACAccount isPropertyDirty:0x1e7417d98]
/* TID 0xf107 */
118843 ms -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807c0b00]
/* TID 0x103 */
118843 ms -[ACMonitoredAccountStore credentialsChangedNotification:0x28169dc40]
118843 ms | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807c0b00]
118843 ms -[ACAccount credentialsChanged:0x28169dc40]
118843 ms | -[ACAccount identifier]
118843 ms | -[ACAccount isPropertyDirty:0x1e7417d98]
118856 ms -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d0a460]
118856 ms -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283cfb0
80 completion:0x16fd69d98]
118856 ms | -[ACAccountStore remoteAccountStoreSession]
118856 ms | | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
118856 ms | | | -[ACTimedExpirer _unsafeCancelTimer]
118856 ms | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
118856 ms | | -[ACRemoteAccountStoreSession _connection]
118857 ms -[AMSAccountsChangedObservable _accountStoreDidChange:0x28169e520]
118857 ms | +[AMSLogConfig sharedAccountsConfig]
118857 ms | -[AMSLogConfig OSLogObject]
118857 ms | | -[AMSLogConfig propertyAccessQueue]
118857 ms | | | -[AMSLogConfig backingOSLogObject]
/* TID 0xf107 */
118858 ms -[ACAccountStore dmc_visibleRemoteManagementAccounts]
118858 ms | -[ACAccountStore dmc_RemoteManagementAccounts]
118858 ms | | -[ACAccountStore dmc_RemoteManagementAccountType]
118858 ms | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e741
8c58]
118858 ms | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418c58 error:0x0]
118858 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118858 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x1701c64c
0]
118858 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xf427 */
118858 ms -[AACloudServiceOwner accountForService:0x1ecb2df10]
/* TID 0xf107 */
118858 ms | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1701c64a0]
118858 ms | | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xf427 */
118858 ms | +[AACloudServiceOwner _serviceTypeForPlatform]
118858 ms | -[ACAccountStore aa_primaryAppleAccount]
118858 ms | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x281020b20 pr
eloadedProperties:0x0 error:0x0]
118858 ms | | | -[ACAccountStore remoteAccountStoreSession]
118858 ms | | | | -[ACTimedExpirer scheduleExpiration:0x170626410]
118858 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xf107 */
118858 ms | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118858 ms | | | | | | -[ACAccountType description]
118858 ms | | | | | | | -[ACAccountType accountTypeDescription]

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118858 ms | | | | | | -[ACAccountType identifier]
/* TID 0xf427 */
118859 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x1706263f0]
/* TID 0xf107 */
118859 ms | | | -[ACAccountStore accountsWithAccountType:0x2839f4e00]
118859 ms | | | | -[ACAccountType description]
118859 ms | | | | | -[ACAccountType accountTypeDescription]
118859 ms | | | | | -[ACAccountType identifier]
118859 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118859 ms | | | | | -[ACTimedExpirer scheduleExpiration:0x1701c6470]
118859 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
/* TID 0xf427 */
118859 ms | | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0xf107 */
118859 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x1701c6450]
118859 ms | | | | | -[ACRemoteAccountStoreSession _connection]
118859 ms | | | | | -[ACAccountType encodeWithCoder:0x101a84800]
118859 ms | | | | | | -[ACAccountType identifier]
118859 ms | | | | | | -[ACAccountType accountTypeDescription]
118859 ms | | | | | | -[ACAccountType objectID]
118859 ms | | | | | | -[ACAccountType visibility]
118859 ms | | | | | | -[ACAccountType credentialProtectionPolicy]
118859 ms | | | | | | -[ACAccountType supportsAuthentication]
118859 ms | | | | | | -[ACAccountType supportsMultipleAccounts]
118859 ms | | | | | | -[ACAccountType owningBundleID]
118859 ms | | | | | | -[ACAccountType isObsolete]
/* TID 0xf427 */
118861 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
118861 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
118861 ms | | | | -[ACAccount description]
118861 ms | | | | | -[ACAccount username]
118861 ms | | | | | | -[ACAccount _useParentForCredentials]
118861 ms | | | | | | | -[ACAccount authenticationType]
118861 ms | | | | | | -[ACAccount identifier]
/* TID 0x1251f */
118861 ms +[ACAccount supportsSecureCoding]
/* TID 0xf427 */
118861 ms | | -[ACAccount aa_isAccountClass:0x1e8b42a50]
118861 ms | | | -[ACAccount aa_accountClass]
118861 ms | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
118861 ms | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
/* TID 0x1251f */
118861 ms +[ACAccountType supportsSecureCoding]
/* TID 0xf427 */
118861 ms -[ACAccount userFullName]
118861 ms | -[ACAccount objectForKeyedSubscript:0x1e7417798]
118861 ms | | -[ACAccount accountPropertyForKey:0x1e7417798]
118861 ms | -[ACAccount objectForKeyedSubscript:0x1e74177d8]
118861 ms | | -[ACAccount accountPropertyForKey:0x1e74177d8]
118862 ms | -[ACAccount objectForKeyedSubscript:0x1e7417798]
118862 ms | | -[ACAccount accountPropertyForKey:0x1e7417798]
118862 ms | -[ACAccount objectForKeyedSubscript:0x1e74177b8]
118862 ms | | -[ACAccount accountPropertyForKey:0x1e74177b8]
118862 ms | -[ACAccount objectForKeyedSubscript:0x1e74177d8]

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118862 ms      |      | -[ACAccount accountPropertyForKey:0x1e74177d8]
118862 ms      |      /* TID 0x1251f */
118862 ms      | -[ACAccount _setAccountStore:0x283911b90]
118862 ms      |      | -[ACAccountType setAccountStore:0x283911b90]
118862 ms      |      /* TID 0xf427 */
118863 ms      | -[ACAccount isSubscriber]
118863 ms      |      | -[ACAccount accountPropertyForKey:0x1ed6c7680]
118863 ms      |      /* TID 0x1251f */
118867 ms      | -[ACAccountStore dmc_visibleRemoteManagementAccounts]
118867 ms      |      /* TID 0x103 */
118867 ms      | -[ACNotificationRebroadcaster _accountStoreDidChange:0x281d0d080]
118867 ms      | -[ACAccountStore visibleTopLevelAccountsWithAccountTypeIdentifiers:0x283cf33
80 completion:0x16fd69d98]
118867 ms      |      | -[ACAccountStore remoteAccountStoreSession]
118867 ms      |      |      | -[ACTimedExpirer scheduleExpiration:0x16fd69b90]
118867 ms      |      |      |      | -[ACTimedExpirer _unsafeCancelTimer]
118867 ms      |      | -[ACRemoteAccountStoreSession remoteObjectProxyWithErrorHandler:0x16fd6
9b70]
118867 ms      |      |      | -[ACRemoteAccountStoreSession _connection]
118867 ms      | -[AMSAccountsChangedObservable _accountStoreDidChange:0x281697e00]
118867 ms      |      | +[AMSLogConfig sharedAccountsConfig]
118867 ms      |      | -[AMSLogConfig OSLogObject]
118867 ms      |      |      | -[AMSLogConfig propertyAccessQueue]
118867 ms      |      |      | -[AMSLogConfig backingOSLogObject]
118867 ms      |      /* TID 0x1251f */
118869 ms      | -[ACAccountStore dmc_RemoteManagementAccounts]
118869 ms      |      | -[ACAccountStore dmc_RemoteManagementAccountType]
118869 ms      |      |      | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e741
8c58]
118869 ms      |      |      |      | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x
1e7418c58 error:0x0]
118869 ms      |      |      |      | -[ACAccountStore remoteAccountStoreSession]
118869 ms      |      |      |      |      | -[ACTimedExpirer scheduleExpiration:0x1704824c
0]
118869 ms      |      |      |      |      |      | -[ACTimedExpirer _unsafeCancelTimer]
118869 ms      |      |      |      |      | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1704824a0]
118869 ms      |      |      |      |      |      | -[ACRemoteAccountStoreSession _connection]
118870 ms      |      |      |      |      | -[ACAccountType setAccountStore:0x283916df0]
118870 ms      |      |      |      |      | -[ACAccountType description]
118870 ms      |      |      |      |      |      | -[ACAccountType accountTypeDescription]
118870 ms      |      |      |      |      |      | -[ACAccountType identifier]
118870 ms      |      |      |      | -[ACAccountStore accountsWithAccountType:0x2839934f0]
118870 ms      |      |      |      | -[ACAccountType description]
118870 ms      |      |      |      |      | -[ACAccountType accountTypeDescription]
118870 ms      |      |      |      |      | -[ACAccountType identifier]
118870 ms      |      |      | -[ACAccountStore remoteAccountStoreSession]
118870 ms      |      |      |      | -[ACTimedExpirer scheduleExpiration:0x170482470]
118870 ms      |      |      |      |      | -[ACTimedExpirer _unsafeCancelTimer]
118870 ms      |      |      |      | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWit
hErrorHandler:0x170482450]
118870 ms      |      |      |      |      | -[ACRemoteAccountStoreSession _connection]
118870 ms      |      |      | -[ACAccountType encodeWithCoder:0x10227d000]
118870 ms      |      |      |      | -[ACAccountType identifier]
118870 ms      |      |      |      | -[ACAccountType accountTypeDescription]
118870 ms      |      |      |      | -[ACAccountType objectID]

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118870 ms | | | | | -[ACAccountType visibility]
118870 ms | | | | | -[ACAccountType credentialProtectionPolicy]
118870 ms | | | | | -[ACAccountType supportsAuthentication]
118870 ms | | | | | -[ACAccountType supportsMultipleAccounts]
118870 ms | | | | | -[ACAccountType owningBundleID]
118870 ms | | | | | -[ACAccountType isObsolete]

/* TID 0xf427 */
118871 ms -[ACAccountStore aa_primaryAppleAccount]
118871 ms | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x28100c120 preload
edProperties:0x0 error:0x0]
118871 ms | | -[ACAccountStore remoteAccountStoreSession]
118871 ms | | | -[ACTimedExpirer scheduleExpiration:0x170626450]
118871 ms | | | | -[ACTimedExpirer _unsafeCancelTimer]
118871 ms | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErro
rHandler:0x170626430]
118871 ms | | | | -[ACRemoteAccountStoreSession _connection]
/* TID 0x1251f */
118875 ms -[ACAccount _setAccountStore:0x283911b90]
118875 ms | -[ACAccountType setAccountStore:0x283911b90]
/* TID 0xf427 */
118876 ms | | -[ACAccount _setAccountStore:0x283916df0]
118876 ms | | | -[ACAccountType setAccountStore:0x283916df0]
118876 ms | | -[ACAccount description]
118876 ms | | | -[ACAccount username]
118876 ms | | | | -[ACAccount _useParentForCredentials]
118876 ms | | | | | -[ACAccount authenticationType]
118876 ms | | | | -[ACAccount identifier]
118876 ms | -[ACAccount aa_isAccountClass:0x1e8b42a50]
118876 ms | | -[ACAccount aa_accountClass]
118876 ms | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
118876 ms | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
118877 ms -[AAUIProfilePictureStore initWithAppleAccount:0x282b40ee0 store:0x283916df0
]
118877 ms | -[ACAccountStore aa_grandSlamAccountFor iCloudAccount:0x282b40ee0]
118877 ms | | -[ACAccountStore aida_accountFor iCloudAccount:0x282b40ee0]
118877 ms | | | -[ACAccount aida_alternateDSID]
118877 ms | | | | -[ACAccount accountPropertyForKey:0x1ecb2ded0]
118877 ms | | | -[ACAccountStore aida_AppleIDAuthenticationAccounts]
118877 ms | | | | -[ACAccountStore aida_AppleIDAuthenticationAccountType]
118877 ms | | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifi
er:0x1e7418a38]
118877 ms | | | | | | -[ACAccountStore accountTypeWithAccountTypeIdentifier:0x1e7418a38 error:0x0]
118877 ms | | | | | | | -[ACAccountStore remoteAccountStoreSession]
118877 ms | | | | | | | | -[ACTimedExpirer scheduleExpiration:
0x1706263a0]
118877 ms | | | | | | | | | -[ACTimedExpirer _unsafeCancelT
imer]
118877 ms | | | | | | | | | -[ACRemoteAccountStoreSession synchronous
RemoteObjectProxyWithErrorHandler:0x170626380]
118877 ms | | | | | | | | | -[ACRemoteAccountStoreSession _conne
ction]
118878 ms | | | | | | | | | -[ACAccountType setAccountStore:0x283916d
f0]
118878 ms | | | | | | | | | -[ACAccountType description]

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118878 ms | | | | | | | | -[ACAccountType accountTypeDescripti
on]
118878 ms | | | | | | | | -[ACAccountType identifier]
118878 ms | | | | -[ACAccountStore accountsWithAccountType:0x2839938e0]
118878 ms | | | | -[ACAccountType description]
118878 ms | | | | -[ACAccountType accountTypeDescription]
118878 ms | | | | -[ACAccountType identifier]
118878 ms | | | | -[ACAccountStore remoteAccountStoreSession]
118878 ms | | | | -[ACTimedExpirer scheduleExpiration:0x17062635
0]
118878 ms | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118878 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x170626330]
118878 ms | | | | | | | | -[ACRemoteAccountStoreSession _connection]
118878 ms | | | | | | | | -[ACAccountType encodeWithCoder:0x10227fa00]
118878 ms | | | | | | | | -[ACAccountType identifier]
118878 ms | | | | | | | | -[ACAccountType accountTypeDescription]
118878 ms | | | | | | | | -[ACAccountType objectID]
118878 ms | | | | | | | | -[ACAccountType visibility]
118878 ms | | | | | | | | -[ACAccountType credentialProtectionPolicy]
118878 ms | | | | | | | | -[ACAccountType supportsAuthentication]
118878 ms | | | | | | | | -[ACAccountType supportsMultipleAccounts]
118878 ms | | | | | | | | -[ACAccountType owningBundleID]
118878 ms | | | | | | | | -[ACAccountType isObsolete]
118880 ms | | | | | | | | -[ACAccount _setAccountStore:0x283916df0]
118880 ms | | | | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118880 ms | | | | | | | | -[ACAccount _setAccountStore:0x283916df0]
118880 ms | | | | | | | | | | -[ACAccountType setAccountStore:0x283916df0]
118880 ms | | | | | | | | -[ACAccount description]
118880 ms | | | | | | | | | | -[ACAccount username]
118880 ms | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
118880 ms | | | | | | | | | | | | | -[ACAccount authenticationType]
118880 ms | | | | | | | | | | -[ACAccount identifier]
118880 ms | | | | | | | | | | -[ACAccount description]
118880 ms | | | | | | | | | | -[ACAccount username]
118880 ms | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
118880 ms | | | | | | | | | | | | | -[ACAccount authenticationType]
118880 ms | | | | | | | | | | -[ACAccount identifier]
118880 ms | | | | | | | | | | -[ACAccount aida_alternateDSID]
118880 ms | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x1ecb2ded0]
118880 ms | | | | | | | | | | -[ACAccount accountPropertyForKey:0x1ecb2e030]
118880 ms | | | | | | | | | | -[ACAccount username]
118880 ms | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
118880 ms | | | | | | | | | | | | | -[ACAccount authenticationType]
118880 ms | | | | | | | | | | -[ACAccount username]
118880 ms | | | | | | | | | | | | -[ACAccount _useParentForCredentials]
118880 ms | | | | | | | | | | | | | -[ACAccount authenticationType]
118880 ms | | | | | | | | | | -[ACAccount aida_alternateDSID]
118880 ms | | | | | | | | | | | | -[ACAccount accountPropertyForKey:0x1ecb2ded0]
118880 ms | | | | | | | | | | -[AAUIProfilePictureStore initWithAppleAccount:0x282b40ee0 grandSlamAcc
ount:0x282b441c0 accountStore:0x283916df0]
118880 ms | | | | | | | | | | | | -[ACAccount accountType]
118880 ms | | | | | | | | | | -[ACAccountType identifier]
118880 ms | | | | | | | | | | -[AAGrandSlamSigner initWithAccountStore:0x283916df0 grandSlamAcco
unt:0x282b441c0 appTokenID:0x1e8b3e6d0]
118880 ms | | | | | | | | | | -[AAUIProfilePictureStore initWithAppleAccount:0x282b40ee0 grandSl

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amSigner:0x281d0c6c0]
118881 ms | | | -[AAGrandSlamSigner accountStore]
118897 ms | | | -[ACAccountStore init]
118897 ms | | | | -[ACAccountStore initWithRemoteEndpoint:0x0 effectiveBun
dleID:0x0]
118897 ms | | | | +[ACTimedExpirer expirerWithTimeout:0x1e]
118897 ms | | | | | -[ACTimedExpirer init]
118897 ms | | | | +[ACTimedExpirer expirerWithTimeout:0x1e]
118897 ms | | | | | -[ACTimedExpirer init]
118897 ms | | | | +[ACNotificationRebroadcaster sharedRebroadcaster]
118897 ms | | | -[AAUIProfilePictureStore _beginObservingContactStoreDidChang
eNotifications]
118897 ms -[AAUIProfilePictureStore profilePictureForAccountOwnerWithoutMonogramFallba
ck]
118897 ms | -[ACAccount isEnabledForDataclass:0x1e74165f8]
118897 ms | | -[ACAccount enabledDataclasses]
118897 ms | | | -[ACAccount parentAccount]
118897 ms | | | -[ACAccount accountStore]
118897 ms | | | -[ACAccountStore enabledDataclassesForAccount:0x282b40ee0 err
or:0x170626738]
118897 ms | | | | -[ACAccount description]
118897 ms | | | | | -[ACAccount username]
118897 ms | | | | | | -[ACAccount _useParentForCredentials]
118897 ms | | | | | | | -[ACAccount authenticationType]
118897 ms | | | | | | | -[ACAccount identifier]
118897 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118897 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x1706264d0]
118897 ms | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118897 ms | | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectPro
xyWithErrorHandler:0x1706264b0]
118897 ms | | | | | | | | -[ACRemoteAccountStoreSession _connection]
118897 ms | | | | | | | | -[ACAccount identifier]
118899 ms | | | | | -[ACTrackedSet initWithSet:0x28169e720]
118899 ms | | | | | | -[ACTrackedSet _initWithEnumerable:0x28169e720 count:0x3
]
118899 ms | | | | | | | -[ACTrackedSet initWithObjects:0x28169f900 count:0x
3]
118899 ms | | | | | | | | -[ACAccount aa_personID]
118899 ms | | | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42670]
118899 ms | | | | | | | | | +[AAUIServerSuppliedProfilePictureCache sharedCache]
118899 ms | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCache init]
118899 ms | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCache profilePictureForPersonID:0x281
64eb60 diameter:0x1706267b0 serverFetchBlock:0x70377d30]
118899 ms | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCache _ensureMinimumPictureDiameter_
mustBeSynchronized:0xf427]
118899 ms | | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry description]
118899 ms | | | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry description]
118899 ms | | | | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry picture]
118899 ms | | | | | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry updating]
118899 ms | | | | | | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry expired]
118899 ms | | | | | | | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry setUpdating:0x1]
118899 ms | | | | | | | | | | | | | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry serverCacheTag]
118899 ms | | | | | | | | | | | | | | | | | | -[AAUIProfilePictureStore _fetchProfilePictureForAccountOwnerFromS
erver:0x28164eb60 serverCacheTag:0x0 completion:0x0]
118899 ms | | | | | | | | | | | | | | | | | | | -[AAMyPhotoRequest initWithAccount:0x282b40ee0]
118899 ms | | | | | | | | | | | | | | | | | | | | -[AAMyPhotoRequest setServerCacheTag:0x0]

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118899 ms | | | | -[AAUIProfilePictureStore _fetchProfilePictureWithRequest:0x2
836f6340 personID:0x28164eb60 completion:0x0]
118899 ms | | | | -[AAUIProfilePictureStore _fetchProfilePictureSupersetWi
thRequest:0x2836f6340 personID:0x28164eb60 completion:0x170626658]
118899 ms | | | | | -[AARequest performRequestWithHandler:0x1706265e8]
118899 ms | | | | | +[AAURLSession sharedSession]
118899 ms | | | | | -[AARequest performRequestWithSession:0x281c39
5c0 withHandler:0x1706265e8]
118899 ms -[AAUIProfilePictureStore profilePictureForAccountOwner]
118899 ms | -[AAUIProfilePictureStore profilePictureForAccountOwnerWithoutMonogramF
allback]
118899 ms | | -[ACAccount isEnabledForDataclass:0x1e74165f8]
118899 ms | | | -[ACAccount enabledDataclasses]
118899 ms | | | | -[ACAccount parentAccount]
118899 ms | | | -[ACAccount aa_personID]
118899 ms | | | | -[ACAccount accountPropertyForKey:0x1e8b42670]
118899 ms | | | +[AAUIServerSuppliedProfilePictureCache sharedCache]
118899 ms | | | -[AAUIServerSuppliedProfilePictureCache profilePictureForPersonID:
0x28164eb60 diameter:0x170626760 serverFetchBlock:0x8]
118899 ms | | | | -[AAUIServerSuppliedProfilePictureCache _ensureMinimumPicture
Diameter_mustBeSynchronized:0xf427]
118899 ms | | | | -[AAUIServerSuppliedProfilePictureCacheEntry description]
118899 ms | | | | -[AAUIServerSuppliedProfilePictureCacheEntry picture]
118899 ms | | | | -[AAUIServerSuppliedProfilePictureCacheEntry updating]
118899 ms | | | -[ACAccount aa(firstName]
118899 ms | | | | -[ACAccount accountPropertyForKey:0x1e8b3c550]
118899 ms | | | -[ACAccount aa(lastName]
118899 ms | | | | -[ACAccount accountPropertyForKey:0x1e8b3c570]
118899 ms | | | -[AAUIProfilePictureStore _fallbackProfilePictureForPersonWithFirstName
:0x28164d340 lastName:0x28164f8a0]
118899 ms | | | | -[AAUIProfilePictureStore _monogrammer]
/* TID 0xf107 */
118899 ms -[AAMyPhotoRequest urlString]
118899 ms | +[AAURLConfiguration urlConfiguration]
118899 ms | | +[AAURLConfiguration _urlConfigurationWithError:0x0]
118899 ms | | | +[AAURLConfiguration remoteServer]
118899 ms | | | | -[AARemoteServer configurationWithCompletion:0x1701c6d48]
118899 ms | | | | | -[AARemoteServer _configurationAndResponseWithCompletion
:0x1701c6ce8]
118899 ms | | | | | -[AARemoteServer _configurationCacheInvalidateingIfN
ecessary]
118899 ms | | | | | | -[AARemoteServer _configurationLock_configuration
CacheInvalidateingIfNecessary]
118899 ms | | | | | | | -[AARemoteServerConfigurationCache creati
onDate]
118899 ms | | | | | | | -[AARemoteServerConfigurationCache configuration]
118900 ms | | | | | | | -[AARemoteServerConfigurationCache response]
118900 ms | | | | -[AAURLConfiguration getMyPhotoURL]
118900 ms | | | | | -[AAURLConfiguration urlStringForKey:0x1e8b3ee90]
118900 ms -[AAMyPhotoRequest urlRequest]
118900 ms | -[AARequest urlRequest]
118900 ms | | -[AAMyPhotoRequest urlString]
118900 ms | | | +[AAURLConfiguration urlConfiguration]
118900 ms | | | | +[AAURLConfiguration _urlConfigurationWithError:0x0]
118900 ms | | | | | +[AAURLConfiguration remoteServer]
118900 ms | | | | | -[AARemoteServer configurationWithCompletion:0x1701

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c6b78]
118900 ms | | | | | | | -[AARemoteServer _configurationAndResponseWith
Completion:0x1701c6b18]
118900 ms | | | | | | | -[AARemoteServer _configurationCacheInval
idatingIfNecessary]
118900 ms | | | | | | | | -[AARemoteServer _configurationLock_
configurationCacheInvalidateingIfNecessary]
118900 ms | | | | | | | | | -[AARemoteServerConfigurationCa
che creationDate]
118900 ms | | | | | | | | -[AARemoteServerConfigurationCache config
uration]
118900 ms | | | | | | | | -[AARemoteServerConfigurationCache respon
se]
118900 ms | | | | -[AAURLConfiguration getMyPhotoURL]
118900 ms | | | | | -[AAURLConfiguration urlStringForKey:0x1e8b3ee90]
118900 ms | | | -[AARequest flushCache]
118901 ms | | | +[AADeviceInfo clientInfoHeader]
118901 ms | | | | +[AADeviceInfo clientInfoHeader]
118901 ms | | | | | -[AADeviceInfo productType]
118901 ms | | | | | -[AADeviceInfo osName]
118901 ms | | | | | +[AADeviceInfo osVersion]
118901 ms | | | | | | -[AADeviceInfo buildVersion]
118902 ms | | | | +[AAPreferences isExperimentalModeEnabled]
118902 ms | | | | | +[AADeviceInfo isInternalBuild]
118902 ms | | | -[ACAccount description]
118902 ms | | | | -[ACAccount username]
118902 ms | | | | | -[ACAccount _useParentForCredentials]
118902 ms | | | | | | -[ACAccount authenticationType]
118902 ms | | | | -[ACAccount identifier]
118902 ms | | | -[ACAccount aa_personID]
118902 ms | | | | -[ACAccount accountPropertyForKey:0x1e8b42670]
118902 ms | | | -[ACAccount aa_authToken]
118902 ms | | | | -[ACAccount credential]
118902 ms | | | | | -[ACAccount credentialWithError:0x0]
118902 ms | | | | | | -[ACAccount _useParentForCredentials]
118902 ms | | | | | | | -[ACAccount authenticationType]
118902 ms | | | | -[ACAccount accountStore]
118902 ms | | | | | -[ACAccountStore credentialForAccount:0x282b40eee0 error:
0x0]
118902 ms | | | | | | -[ACAccount description]
118902 ms | | | | | | | -[ACAccount username]
118902 ms | | | | | | | | -[ACAccount _useParentForCredentials]
118902 ms | | | | | | | | | -[ACAccount authenticationType]
118902 ms | | | | | | | | -[ACAccount identifier]
118902 ms | | | | | | -[ACAccountStore remoteAccountStoreSession]
118902 ms | | | | | | | -[ACTimedExpirer scheduleExpiration:0x1701c69d
0]
118902 ms | | | | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118902 ms | | | | | | -[ACRemoteAccountStoreSession synchronousRemoteObje
ctProxyWithErrorHandler:0x1701c69b0]
118902 ms | | | | | | | -[ACRemoteAccountStoreSession _connection]
118903 ms | | | | | | | -[ACAccount identifier]
118907 ms | | | | | | | +[ACAccountCredential supportsSecureCoding]
118907 ms | | | | | | | +[ACZeroingString supportsSecureCoding]
118907 ms | | | | | | | -[ACAccountCredential _setOwningAccount:0x282b40eee0
]
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118907 ms | | | | | -[ACAccountCredential description]
118907 ms | | | | | -[ACAccount _installCredentialsChangedObserver]
118908 ms | | | -[ACAccountCredential token]
118908 ms | | | | -[ACAccountCredential credentialItemForKey:0x1e74190b8]
118908 ms | | | | | -[ACZeroingString length]
118908 ms | | | | | -[ACZeroingString getCharacters:0x1203769e0 range:0x0]
118908 ms | | | -[ACAccount aa_personID]
118908 ms | | | | -[ACAccount accountPropertyForKey:0x1e8b42670]
118908 ms | | | -[ACAccount aa_authToken]
118908 ms | | | | -[ACAccount credential]
118908 ms | | | | | -[ACAccount credentialWithError:0x0]
118908 ms | | | | | | -[ACAccount _useParentForCredentials]
118908 ms | | | | | | | -[ACAccount authenticationType]
118908 ms | | | | -[ACAccountCredential token]
118908 ms | | | | | -[ACAccountCredential credentialItemForKey:0x1e74190b8]
118908 ms | | | | | | -[ACZeroingString length]
118908 ms | | | | | | -[ACZeroingString getCharacters:0x120373360 range:0x0]
118908 ms | | | | -[ACAccount aa_altdSID]
118908 ms | | | | | -[ACAccount accountPropertyForKey:0x1e8b3c830]
118908 ms | | | | -[ACAccount aa_repairState]
118908 ms | | | | | -[ACAccount parentAccount]
118908 ms | | | | | -[ACAccount accountPropertyForKey:0x1e8b42bf0]
118908 ms | | -[AAURLSession dataTaskWithRequest:0x28100a090 completion:0x1701c6e40]
118908 ms | | | -[AAURLSession _enqueueRequest:0x28100a090 completion:0x1701c6e40]
118908 ms | | | | -[AKAppleIDSession initWithIdentifier:0x281cc6fa0]
118908 ms | | | | | -[AAURLSessionContext _initRequiringSigning:0x0 appleIDSession:0x2
807c83c0]
118908 ms | | -[AAURLSession _sessionQueue_enqueueTask:0x120376ee0 completion:0x281d00720]
/* TID 0xc533 */
118910 ms | -[AAURLSessionContext URLSession:0x10401f340 task:0x120376ee0 getAppleIDHe
adersForResponse:0x0 completionHandler:0x16fe7e650]
118910 ms | | -[AKAppleIDSession URLSession:0x10401f340 task:0x1203769e0 getAppleIDHe
adersForResponse:0x0 completionHandler:0x16fe7e5c0]
118910 ms | | | -[AKAppleIDSession _generateAppleIDHeadersForSessionTask:0x1203769
e0 withCompletion:0x16fe7e538]
118910 ms | | | | -[AKAppleIDSession _nativeAnisetteController]
118910 ms | | | | | -[AKAnisetteProvisioningController init]
118910 ms | | | | | -[AKAnisetteProvisioningController anisetteDataForURLRequest:
0x28100df0 completion:0x16fe7e428]
118910 ms | | | | | | -[AKAnisetteProvisioningController fetchAnisetteDataAndP
rovisionIfNecessary:0x1 withCompletion:0x16fe7e428]
118910 ms | | | | | | | -[AKAnisetteProvisioningController _anisetteService
Connection]
118910 ms | | | | | | | +[AKAnisetteProvisioningDaemonInterface XPCInt
erface]
118910 ms | | | | | | | +[AKAnisetteProvisioningClientInterface XPCInt
erface]
/* TID 0xf427 */
118911 ms | | -[AAUIProfilePictureStore pictureDiameter]
118911 ms | -[AACloudServiceOwner accountForService:0x1ecb2df10]
118912 ms | | +[AACloudServiceOwner _serviceTypeForPlatform]
118912 ms | | | -[ACAccountStore aa_primaryAppleAccount]
118912 ms | | | | -[ACAccountStore accountsWithAccountTypeIdentifiers:0x281025dc0 pr
eloadedProperties:0x0 error:0x0]
118912 ms | | | | | -[ACAccountStore remoteAccountStoreSession]
118912 ms | | | | | | -[ACTimedExpirer scheduleExpiration:0x170626410]

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118912 ms | | | | | -[ACTimedExpirer _unsafeCancelTimer]
118912 ms | | | | -[ACRemoteAccountStoreSession synchronousRemoteObjectProxyWithErrorHandler:0x1706263f0]
118912 ms | | | | | -[ACRemoteAccountStoreSession _connection]
118918 ms | | | | -[ACAccount _setAccountStore:0x283916df0]
118918 ms | | | | | -[ACAccountType setAccountStore:0x283916df0]
118918 ms | | | | -[ACAccount description]
118918 ms | | | | | -[ACAccount username]
118918 ms | | | | | | -[ACAccount _useParentForCredentials]
118918 ms | | | | | | | -[ACAccount authenticationType]
118918 ms | | | | | | -[ACAccount identifier]
118918 ms | | | | -[ACAccount aa_isAccountClass:0x1e8b42a50]
118918 ms | | | | | -[ACAccount aa_accountClass]
118918 ms | | | | | | -[ACAccount objectForKeyedSubscript:0x1e8b42c10]
118918 ms | | | | | | | -[ACAccount accountPropertyForKey:0x1e8b42c10]
118918 ms | | | | -[ACAccount userFullName]
118918 ms | | | | | -[ACAccount objectForKeyedSubscript:0x1e7417798]
118918 ms | | | | | | -[ACAccount accountPropertyForKey:0x1e7417798]
118918 ms | | | | -[ACAccount objectForKeyedSubscript:0x1e74177d8]
118918 ms | | | | | -[ACAccount accountPropertyForKey:0x1e74177d8]
118919 ms | | | | -[ACAccount objectForKeyedSubscript:0x1e7417798]
118919 ms | | | | | -[ACAccount accountPropertyForKey:0x1e7417798]
118919 ms | | | | -[ACAccount objectForKeyedSubscript:0x1e74177b8]
118919 ms | | | | | -[ACAccount accountPropertyForKey:0x1e74177b8]
118919 ms | | | | -[ACAccount objectForKeyedSubscript:0x1e74177d8]
118919 ms | | | | | -[ACAccount accountPropertyForKey:0x1e74177d8]
/* TID 0x1251f */
118919 ms +[AKAnisetteData supportsSecureCoding]
118919 ms -[AKAppleIDSession _genericAppleIDHeadersDictionaryForRequest:0x28100dfd0]
/* TID 0xf427 */
118919 ms -[ACAccount isSubscriber]
118919 ms | | -[ACAccount accountPropertyForKey:0x1ed6c7680]
/* TID 0x1251f */
118920 ms | | +[AKDevice currentDevice]
118920 ms | | | -[AKDevice locale]
118920 ms -[AKAnisetteData machineID]
118920 ms -[AKAnisetteData oneTimePassword]
118920 ms -[AKAnisetteData routingInfo]
118921 ms +[AKDevice currentDevice]
118921 ms -[AKDevice localUserUUID]
118921 ms +[AKConfiguration sharedConfiguration]
118921 ms -[AKConfiguration shouldAllowTestApplication]
118921 ms | | -[AKConfiguration configurationValueForKey:0x1e8b17ff8]
118921 ms -[AKAppleIDSession _pairedDeviceAnisetteController]
118921 ms -[AAURLSessionContext _additionalHeadersForRequest:0x281025f50 completion:0x170482270]
118921 ms | | -[AAURLSessionContext requiresSigning]
/* TID 0xc533 */
118921 ms +[NSError _web_errorWithDomain:0x1f61f0440 code:0xfffffffffffffff19 URL:0x283993c60]
118921 ms | | -[NSError _web_initWithDomain_nowarn:0x1f61f0440 code:0xfffffffffffffff19 URL:0x283993c60]
118921 ms | | | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffff19 userInfo:0x281691260]
118921 ms | | | | -[NSError userInfo]
118921 ms | | | -[NSError domain]

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118921 ms -[NSError code]
118921 ms -[NSError domain]
118921 ms -[NSError code]
118921 ms -[NSError userInfo]
118921 ms -[NSError userInfo]
/* TID 0xf427 */
118921 ms -[AAUIProfilePictureStore profilePictureForAccountOwnerWithoutMonogramFallback]
118921 ms | -[ACAccount isEnabledForDataclass:0x1e74165f8]
118921 ms | | -[ACAccount enabledDataclasses]
118921 ms | | | -[ACAccount parentAccount]
118921 ms | -[ACAccount aa_personID]
118921 ms | | -[ACAccount accountPropertyForKey:0x1e8b42670]
118921 ms | +[AAUIServerSuppliedProfilePictureCache sharedCache]
118921 ms | -[AAUIServerSuppliedProfilePictureCache profilePictureForPersonID:0x281
64eb60 diameter:0x1706267b0 serverFetchBlock:0x8]
118921 ms | | -[AAUIServerSuppliedProfilePictureCache _ensureMinimumPictureDiameter_mustBeSynchronized:0xf427]
118921 ms | | | -[AAUIServerSuppliedProfilePictureCacheEntry description]
/* TID 0xc533 */
118921 ms -[NSError domain]
118922 ms -[NSError code]
118922 ms +[NSError errorWithDomain:0x1f61f0440 code:0xfffffffffffffc19 userInfo:0x281
6a06c0]
118922 ms | -[NSError initWithDomain:0x1f61f0440 code:0xfffffffffffffc19 userInfo:0
x2816a06c0]
118922 ms -[NSError code]
118922 ms -[NSError code]
118922 ms -[NSError description]
118922 ms | -[NSError userInfo]
118922 ms | -[NSError domain]
118922 ms | -[NSError userInfo]
118922 ms | -[NSError domain]
118922 ms | -[NSError userInfo]
118922 ms | -[NSError userInfo]
118922 ms | -[NSError domain]
118922 ms | -[NSError code]
/* TID 0xf427 */
118922 ms | | -[AAUIServerSuppliedProfilePictureCacheEntry picture]
118922 ms | | -[AAUIServerSuppliedProfilePictureCacheEntry updating]
118922 ms -[AAUIProfilePictureStore profilePictureForAccountOwner]
118922 ms | -[AAUIProfilePictureStore profilePictureForAccountOwnerWithoutMonogramFallback]
118922 ms | | -[ACAccount isEnabledForDataclass:0x1e74165f8]
118922 ms | | | -[ACAccount enabledDataclasses]
118922 ms | | | | -[ACAccount parentAccount]
118922 ms | | | -[ACAccount aa_personID]
118922 ms | | | | -[ACAccount accountPropertyForKey:0x1e8b42670]
118922 ms | | +[AAUIServerSuppliedProfilePictureCache sharedCache]
118922 ms | | | -[AAUIServerSuppliedProfilePictureCache profilePictureForPersonID:
0x28164eb60 diameter:0x170626760 serverFetchBlock:0x8]
118922 ms | | | | -[AAUIServerSuppliedProfilePictureCache _ensureMinimumPictureDiameter_mustBeSynchronized:0xf427]
118922 ms | | | | -[AAUIServerSuppliedProfilePictureCacheEntry description]
118922 ms | | | | -[AAUIServerSuppliedProfilePictureCacheEntry picture]
118922 ms | | | | -[AAUIServerSuppliedProfilePictureCacheEntry updating]

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118922 ms    | -[ACAccount aa(firstName]
118922 ms    |   | -[ACAccount accountPropertyForKey:0x1e8b3c550]
118922 ms    | -[ACAccount aa(lastName]
118922 ms    |   | -[ACAccount accountPropertyForKey:0x1e8b3c570]
118922 ms    | -[AAUIProfilePictureStore _fallbackProfilePictureForPersonWithFirstName
:0x28164d340 lastName:0x28164f8a0]
118922 ms    |   | -[AAUIProfilePictureStore _monogrammer]
118922 ms    | -[AAUIProfilePictureStore pictureDiameter]
/* TID 0xf107 */
118969 ms    -[ACAccount _setObjectID:0x2839a8230]
118969 ms    -[ACAccount _clearCachedChildAccounts]
118969 ms    -[ACAccount _setAccountStore:0x2839f4a10]
118969 ms    | -[ACAccountType setAccountStore:0x2839f4a10]
118969 ms    -[ACAccount _clearDirtyProperties]
118969 ms    | -[ACTrackedSet allObjects]
118969 ms    | -[ACTrackedSet initWithArray:0x281690840]
118969 ms    |   | -[ACTrackedSet initWithEnumerable:0x281690840 count:0x22]
118969 ms    |   |   | -[ACTrackedSet initWithObjects:0x12962ddb0 count:0x22]
118969 ms    | -[ACTrackedSet allObjects]
118969 ms    | -[ACTrackedSet initWithArray:0x281690940]
118969 ms    |   | -[ACTrackedSet initWithEnumerable:0x281690940 count:0x3]
118969 ms    |   |   | -[ACTrackedSet initWithObjects:0x281690dc0 count:0x3]
118969 ms    | -[ACAccountCredential _clearDirtyProperties]
118969 ms    -[ACAccountStore _unsanitizeError:0x0]
/* TID 0x1251f */
118969 ms    -[AASignInFlowController _addKeysAndEnrollCDPStateForAccount:0x282b408c0 wit
hCDPContext:0x282558580 completion:0x281d08510]
118969 ms    | -[AASignInFlowController _enrollCDPStateForAccount:0x282b408c0 withCDP
ontext:0x282558580 completion:0x281d08510]
/* TID 0xf107 */
119050 ms    -[ACAccountStoreClientSideListener accountCredentialsDidChangeForAccountWith
Identifier:0x2807dba40]
/* TID 0x103 */
119051 ms    -[ACMonitoredAccountStore credentialsChangedNotification:0x281690da0]
119051 ms    | -[ACMonitoredAccountStore monitoredAccountWithIdentifier:0x2807dba40]
119051 ms    -[ACAccount credentialsChanged:0x281690da0]
119051 ms    | -[ACAccount identifier]
119051 ms    -[ACAccount credentialsChanged:0x281690da0]
119051 ms    | -[ACAccount identifier]
/* TID 0xf107 */
119473 ms    -[AAURLSession URLSession:0x10401f340 task:0x120376ee0 didCompleteWithError:
0x0]
119473 ms    | -[AAURLSession _sessionQueue_dequeueTask:0x120376ee0 withResponse:0x281
6a24e0 error:0x0]
119473 ms    |   | -[AARequest _handleDataTaskCompletionWithData:0x0 response:0x2816a
24e0 error:0x0]
119474 ms    |   |   | +[AAMyPhotoRequest responseClass]
119475 ms    |   |   | -[AAPhotoResponse initWithHTTPResponse:0x2816a24e0 data:0x0]
119475 ms    |   |   |   | -[AAResponse initWithHTTPResponse:0x2816a24e0 data:0x0]
119475 ms    |   |   |   | -[AAResponse initWithHTTPResponse:0x2816a24e0 data:
0x0 bodyIsPlist:0x1]
119476 ms    |   |   |   |   | -[AAResponse _parsePlistResponse:0x0]
119476 ms    |   |   |   |   | -[AAResponse responseDictionary]
119476 ms    |   |   |   |   | -[AAResponse responseDictionary]
119477 ms    |   |   |   |   | -[AAResponse error]
119477 ms    |   |   |   |   | +[NSError errorWithDomain:0x1e8b3abf0 code:0x1

```

```

94 userInfo:0x2816a31e0]
119477 ms | | | | | | | -[NSError initWithDomain:0x1e8b3abf0 code
:0x194 userInfo:0x2816a31e0]
119477 ms | | | | | | | -[AAResponse setError:0x281d60db0]
119477 ms | | | | | -[AAResponse data]
119477 ms | | | | -[AAResponse statusCode]
119478 ms | | | | +[AAUIServerSuppliedProfilePictureCache sharedCache]
119478 ms | | | | -[AAUIServerSuppliedProfilePictureCache updateProfilePicture:
0x0 didReceiveNewPicture:0x1 serverCacheTag:0x0 forPersonID:0x28164eb60]
119478 ms | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry description
]
119478 ms | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry setUpdating
:0x0]
119478 ms | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry picture]
119479 ms | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry setPicture:
0x0]
119479 ms | | | | | -[AAUIServerSuppliedProfilePictureCacheEntry description
]
/* TID 0x103 */
124786 ms -[AAUISpinnerViewController viewWillDisappear:0x1]
124860 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124860 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124869 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124869 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124870 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124870 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124899 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124899 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124913 ms +[NSError errorWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
124913 ms | -[NSError initWithDomain:0x1e856c458 code:0x191 userInfo:0x0]
/* TID 0xf427 */
141362 ms -[ACTimedExpirer _cancelTimer]
141363 ms | -[ACTimedExpirer _unsafeCancelTimer]
141363 ms -[ACAccountStoreClientSideListener connectionWasInvalidated]
146495 ms -[ACTimedExpirer _cancelTimer]
146495 ms | -[ACTimedExpirer _unsafeCancelTimer]
146496 ms -[ACAccountStoreClientSideListener connectionWasInvalidated]
149545 ms -[ACTimedExpirer _cancelTimer]
149549 ms | -[ACTimedExpirer _unsafeCancelTimer]
149549 ms -[ACAccountStoreClientSideListener connectionWasInvalidated]
/* TID 0x11c3b */
149549 ms -[ACTimedExpirer _cancelTimer]
149549 ms | -[ACTimedExpirer _unsafeCancelTimer]
149550 ms -[ACAccountStoreClientSideListener connectionWasInvalidated]

```

Frida工具类函数

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通用js函数

此处整理Frida的js中，通用的js方面的函数：

- 常用写法：
 - 判断key是否在字典dict中

```
curKey in someDict
```

对象=Object: Dict/List/...

`toJsonStr` : 转换成JSON字符串（用于打印js对象）

```
// convert Object(dict/list/...) to JSON string
function toJsonStr(curObj, singleLine = false, space = 2){
  // console.log("toJsonStr: singleLine=" + singleLine)
  // var jsonStr = JSON.stringify(curObj, null, 2)
  var jsonStr = JSON.stringify(curObj, null, space)
  if(singleLine) {
    // jsonStr = jsonStr.replace(/\n/g, '')
    jsonStr = jsonStr.replace(/\n/g, '')
  }
  return jsonStr
  // return curObj.toString()
}
```

用法举例：

```
console.log("Add: address=" + address + ", moduleInfoDict=" + toJsonStr(moduleInfoDict)
+ " into cache gAddrToModuleInfoDict")
```

输出：

```
[*] Add: address: 0x1098ad910, moduleInfoDict={
  "fileName": "/private/var/containers/Bundle/Application/02BED373-87F5-4B48-9F4B-70E85
3B20267/WhatsApp.app/Frameworks/SharedModules.framework/SharedModules",
  "fileAddress": "0x108c84000",
  "symbolName": "WAGetWC IHttpImpl",
  "symbolAddress": "0x1098abad0"
} into cache gAddrToModuleInfoDict
```

String字符串

`occurrences` : 字符串搜索

```

/** Function that count occurrences of a substring in a string;
 * @param {String} string                  The string
 * @param {String} subString              The sub string to search for
 * @param {Boolean} [allowOverlapping] Optional. (Default:false)
 *
 * @author Vitim.us https://gist.github.com/victornpb/7736865
 * @see Unit Test https://jsfiddle.net/Victornpb/5axuh96u/
 * @see https://stackoverflow.com/a/7924240/938822
 * @example occurrences("- setExportedObject:", ":") => 1
 */
function occurrences(string, subString, allowOverlapping) {
    // console.log("string=" + string + ",subString=" + subString + ", allowOverlapping=" + allowOverlapping)
    string += "";
    subString += "";
    if (subString.length <= 0) return (string.length + 1);

    var n = 0,
        pos = 0,
        step = allowOverlapping ? 1 : subString.length;

    while (true) {
        pos = string.indexOf(subString, pos);
        // console.log("pos=" + pos)
        if (pos >= 0) {
            ++n;
            pos += step;
        } else break;
    }

    return n;
}

```

用法举例：

```

const argSel = args[1];
console.log("argSel: ", argSel);
const argSelStr = ObjC.selectorAsString(argSel);
console.log("argSelStr: ", argSelStr);

const argCount = occurrences(argSelStr, ":");

console.log("argCount: ", argCount);

```

输出：

```

argSel: 0x19cf48d27
argSelStr: fileURLWithPath:isDirectory:
argCount: 2

```

含义：

(iOS的ObjC中的SEL) 字符串： fileURLWithPath:isDirectory: 中有2个冒号 :

String - Log日志

```

// Generate single line log string
// input: logStr="Called: -[NSURLRequest initWithURL:]"
// output: "===== Called: -[NSURLRequest initWithURL:] ====="
=====
=====

// function generateLineStr(logStr, isWithSpace=true, paddingChar="", lineWidth=80){
function generateLineStr(logStr, isWithSpace true, paddingChar "", lineWidth=100){
// function generateLineStr(logStr, isWithSpace=true, paddingChar="", lineWidth=120){
    // console.log("logStr=" + logStr, ", isWithSpace=" + isWithSpace + ", paddingChar=" +
    " + paddingChar + ", lineWidth=" + lineWidth)
    var lineStr = ""

    var realLogStr = ""
    if (isWithSpace) {
        realLogStr = " " + logStr + " "
    } else {
        realLogStr = logStr
    }

    var realLogStrLen = realLogStr.length
    if ((realLogStrLen % 2) > 0){
        realLogStr += " "
        realLogStrLen = realLogStr.length
    }

    var leftRightPaddingStr = ""
    var paddingLen = lineWidth - realLogStrLen
    if (paddingLen > 0) {
        var leftRightPaddingLen = paddingLen / 2
        leftRightPaddingStr = times(paddingChar, leftRightPaddingLen)
    }

    lineStr = leftRightPaddingStr + realLogStr + leftRightPaddingStr

    // console.log("lineStr:\n" + lineStr)
    return lineStr
}

```

用法举例：

```

var logStr="Called: -[NSURLRequest initWithURL:]"
generateLineStr(logStr)

```

输出：

```

===== Called: -[NSURLRequest initWithURL:] =====
=====
```

其他输出举例：

```

===== Called: +[WARegistrationURLBuilder preChatdABPropURLWithPhoneNumber:abHash:]
```



times: 字符串相乘

代码：

```
// String multiple
// eg: str="", num=5 => "====="
function times(str, num){
    return new Array(num + 1).join(str)
}
```

用法举例：

```
var paddingChar = "_"
var leftRightPaddingLen = 10
var leftRightPaddingStr = times(paddingChar, leftRightPaddingLen)
console.log(leftRightPaddingStr)
```

输出：

```
-----
```

List列表

isItemInList: 判断元素是否在列表中

```
// check whether is item inside the list
// eg: curItem="abc", curList=["abc", "def"] => true
function isItemInList(curItem, curList){
    // method1:
    return curList.includes(curItem)
    // // method2:
    // return curList.indexOf(curItem) > -1
}
```

用法举例：

```
var iOSObjCallStr = "+[NSURLRequest requestWithURL:]"
let cfgPrintOnceStackExceptionList = [
    "+[NSURLRequest requestWithURL:]",
]
console.log(isItemInList(iOSObjCallStr, cfgPrintOnceStackExceptionList))
```

输出：

```
true
```

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Frida的js通用函数

objcArgsToArray

```
/* Convert args to real Javascript Array

Note:
    Interceptor.attach onEnter(args), args is not real JS array -> later operation
will fail
    args.slice(2)
    Array.from(args)
-> so need here to conver to real Array, then all is OK
*/
function objcArgsToArray(args, realArgCount){
    var argsArr = Array()
    // console.log("initial: argsArr=" + argsArr)
    argsArr.push(args[0])
    argsArr.push(args[1])
    // console.log("add frist two: argsArr=" + argsArr)

    for (let curArgIdx = 0; curArgIdx < realArgCount; curArgIdx++) {
        const curArg = args[curArgIdx + 2]
        argsArr.push(curArg)
    }
    // console.log("add all args: argsArr=" + argsArr)
    return argsArr
}
```

用法举例：

```
Interceptor.attach(curMethod implementation, {
    onEnter: function(args) {
        const realArgCount = occurrences(funcName, ";")
        console.log("realArgCount: " + realArgCount)

        args = objcArgsToArray(args, realArgCount)
```

效果：

```
// 后续针对js的Array的args去操作，就不会报错了
var realArgList = args.slice(2)
```

详见：

- 【已解决】iOS逆向WhatsApp： Frida的js的函数堆栈打印优化：支持特定函数的特定参数值时打印
- 【已解决】Frida中js去获取Interceptor.attach的onEnter的args时报错： RangeError invalid array index

isValidPointer：判断指针是否有效

- 背景：

- 正常的指针值：
 - 0x194d20320
 - 0x103e79420
 - 0x2831ac880
- 异常的一些指针指：
 - 0x0
 - 0xc

代码：

```
// check pointer is valid or not
// example
//           0x103e79560 => true
//           0xc => false
function isValidPointer(curPtr){
    let MinValidPointer = 0x10000
    var isValid = curPtr > MinValidPointer
    return isValid
}
```

用法举例：

```
console.log(isValidPointer(0xc))
```

输出：

```
false
```

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iOS函数

此处整理Frida的js中，iOS（的ObjC）方面的函数：

objcObjToStr : ObjC的Object转换为C的string

```
// convert ObjC Object to C string
function objcObjToStr(objcObj){
    return objcObj.toString()
}
```

nsStrToJsStr : NSString转换为js的String

代码：

```
// NSString instance -> js string
function nsStrToJsStr(curNsStr){
    // method 1
    return curNsStr.UTF8String()
    // // method 2:
    // const NSUTF8StringEncoding = 4;
    // https://developer.apple.com/documentation/foundation/nsstring/1408489-cstringusingencoding?language=objc
    // return curNsStr.cStringUsingEncoding_(NSUTF8StringEncoding)
}
```

用法举例：

```
const connnServiceNameNSStr = nsxpcconnectionObj.serviceName();
const connnServiceNameJsStr = nsStrToJsStr(connnServiceNameNSStr)
console.log("connnServiceNameNSStr: ", connnServiceNameNSStr);
console.log("connnServiceNameJsStr: ", connnServiceNameJsStr);
```

输出：

```
connnServiceNameNSStr: com.apple.ak.auth.xpc
connnServiceNameJsStr: com.apple.ak.auth.xpc
```

toiOSobjcCall : 把Frida的ObjC函数写法，转换成ObjC的函数写法

```
// convert from frida function call to ObjC function call
// "NSURL", "- initWithString:" => "-[NSURL initWithString:]"
function toiOSobjcCall(class_name, method_name){
    const instanceCallStart = "-[" + class_name + " ";
```

```

const classCallStart = "+[" + class_name + " ";
var objcFuncCall = method_name.replace("-", instanceCallStart);
objcFuncCall = objcFuncCall.replace("+ ", classCallStart);
objcFuncCall = objcFuncCall + "]";
// console.log(class_name + " -> " + method_name + " => " + objcFuncCall);
return objcFuncCall;
}

```

用法举例：

```

function hook_specific_method_of_class(className, funcName)
{
    console.log("className=" + className + ", funcName=" + funcName)
    var iOSObjCallStr = toiOSObjcCall(className, funcName)
    console.log("iOSObjCallStr=", iOSObjCallStr)
    ...
}

```

输出：

```

className NSXPConnection, funcName - setExportedObject:
iOSObjCallStr= -[NSXPConnection setExportedObject:]

```

其他举例：

- "NSURL", "- _cfurl" => "-[NSURL _cfurl]"
- "NSURL", "+ fileURLWithPath:isDirectory:" => "+[NSURL fileURLWithPath:isDirectory:]"
- "NSURL", "- initFileURLWithPath:isDirectory:" => "-[NSURL initFileURLWithPath:isDirectory:]"

toFridaObjcCall : 把ObjC函数写法，转换成Frida的ObjC函数写法

```

// convert from ObjC function call to frida function call
// "-[NSURL initWithString:]" => ["NSURL", "- initWithString:"]
function toFridaObjcCall(fridaObjcCallStr){
    // console.log("fridaObjcCallStr=" + fridaObjcCallStr)
    const funcCallP = /^([-+])\[(\w+)\s+([\w:]+)\]\$/;
    // console.log("funcCallP=" + funcCallP)
    const funcCallMatch = fridaObjcCallStr.match(funcCallP)
    // console.log("funcCallMatch=" + funcCallMatch)
    const objcFuncTypeChar = funcCallMatch[1]
    const objcClassName = funcCallMatch[2]
    const objcFuncName = funcCallMatch[3]
    const fridaFuncCallList = [objcClassName, objcFuncTypeChar + " " + objcFuncName]
    // console.log("fridaFuncCallList=" + fridaFuncCallList)
    return fridaFuncCallList
}

```

用法举例：

- 输入
 - "+[NSURL URLWithString:]"
 - "-[NSURLConnection start]"
 - "-[NSURL initWithString:relativeToURL:]"
- 输出
 - ["NSURL", "+ URLWithString:]"]
 - ["NSURLConnection", "- start"]]
 - ["NSURL", "- initWithString:relativeToURL:]"]

initCommonLibFunctions : 初始化常用库中的常用函数

代码：

```

/*
 * Global Variables
 */

var free = null
var objc_getClass = null
var class_copyMethodList = null
var objc_getMetaClass = null
var method_getName = null
var daddr = null
var _dyld_image_count = null
var _dyld_get_image_name = null
var _dyld_get_image_vmaddr_slide = null
var objc_copyClassNamesForImage = null

/*
 * iOS Common Lib Functions
 */

function initCommonLibFunctions(){
    console.log("Init common functions in common libs:")

    // free
    free = new NativeFunction(
        Module.findExportByName(null, 'free'),
        'void',
        ['pointer']
    )
    console.log("free=" + free)

    objc_getClass = new NativeFunction(
        Module.findExportByName(null, 'objc_getClass'),
        'pointer',
        ['pointer']
    )
    console.log("objc_getClass=" + objc_getClass)

    class_copyMethodList = new NativeFunction(
        Module.findExportByName(null, 'class_copyMethodList'),
        'pointer',
        ['pointer']
    )
}

```

```

        ['pointer', 'pointer']
    )
console.log("class_copyMethodList=" + class_copyMethodList)

objc_getMetaClass = new NativeFunction(
    Module.findExportByName(null, 'objc_getMetaClass'),
    'pointer',
    ['pointer']
)
console.log("objc_getMetaClass=" + objc_getMetaClass)

method_getName = new NativeFunction(
    Module.findExportByName(null, 'method_getName'),
    'pointer',
    ['pointer']
)
console.log("method_getName=" + method_getName)

/*
int dladdr(const void *, Dl_info *);

typedef struct dl_info {
    const char      *dli_fname;      // Pathname of shared object
    void            *dli_fbase;      // Base address of shared object
    const char      *dli_sname;      // Name of nearest symbol
    void            *dli_saddr;      // Address of nearest symbol
} Dl_info;

*/
dladdr = new NativeFunction(
    Module.findExportByName(null, 'dladdr'),
    'int',
    ['pointer', 'pointer']
)
console.log("dladdr=" + dladdr)

// uint32_t _dyld_image_count(void)
_dyld_image_count = new NativeFunction(
    Module.findExportByName(null, '_dyld_image_count'),
    'uint32',
    []
)
console.log("_dyld_image_count=" + _dyld_image_count)

// const char* _dyld_get_image_name(uint32_t image_index)
_dyld_get_image_name = new NativeFunction(
    Module.findExportByName(null, '_dyld_get_image_name'),
    'pointer',
    ['uint32']
)
console.log("_dyld_get_image_name=" + _dyld_get_image_name)

// intptr_t _dyld_get_image_vmaddr_slide(uint32_t image_index)
_dyld_get_image_vmaddr_slide = new NativeFunction(
    Module.findExportByName(null, '_dyld_get_image_vmaddr_slide'),
    'pointer',
    ['uint32']
)
console.log("_dyld_get_image_vmaddr_slide=" + _dyld_get_image_vmaddr_slide)

```

```

        'pointer',
        ['uint32']
    )
    console.log("_dyld_get_image_vmaddr_slide=" + _dyld_get_image_vmaddr_slide)

    // const char * objc_copyClassNamesForImage(const char *image, unsigned int *outCount)
    objc_copyClassNamesForImage = new NativeFunction(
        Module.findExportByName(null, 'objc_copyClassNamesForImage'),
        'pointer',
        ['pointer', 'pointer']
    );
    console.log("objc_copyClassNamesForImage=" + objc_copyClassNamesForImage)
}

```

用法举例：

```

/****************************************
 * Main
****************************************/
initCommonLibFunctions()

```

输出：

```

Init common functions in common libs:
free 0x190f57f10
objc_getClass 0x190f9c098
class_copyMethodList 0x190f96cf8
objc_getMetaClass 0x190f9c100
method_getName 0x190f93b54
dladdr 0x191068174
_dyld_image_count 0x191067b40
_dyld_get_image_name 0x19106806c
_dyld_get_image_vmaddr_slide 0x191068004
objc_copyClassNamesForImage 0x190f97e68

```

说明：

后续其他地方，即可调用这些函数：

```

free(pClasses)

function get_info_form_address(address){
    ...
    var dl_info = Memory.alloc(Process.pointerSize * 4);
    dladdr(ptr(address), dl_info)
}

```


iOS函数调用堆栈

对于Frida中，打印iOS函数调用堆栈，此处整理出2个函数：

- 地址版本 = 精简版： `printFunctionCallStack_addr`
 - 解释：（尤其是对于自己的二进制）只能输出地址，无法输出完整精确的符号名
 - 优点：代码简洁
 - 缺点：只有地址，没有符号，不够用
- 符号版本 = 详细版： `printFunctionCallStack_symbol`
 - 解释：从地址解析后得到准确的符号=函数名的版本
 - 优点：能看到函数名=解析后的符号名，更好用
 - 缺点：代码比较多比较复杂
 - 包括子函数
 - `get_image_vm_slide`
 - `get_all_objc_class`
 - `get_all_class_methods`
 - `get_info_form_address`
 - `find_symbol_from_address`
 - 说明
 - 参考自
 - <https://github.com/4ch12dy/FridaLib/blob/master/iOS/iOSFridaLib.js>
 - 且做了额外优化
 - 加上cache缓存，提高解析速度

`printFunctionCallStack_addr`

```
function printFunctionCallStack_addr(curContext){
  console.log('Stack:\n' +
    Thread.backtrace(curContext, Backtracer.ACCURATE)
      .map(DebugSymbol.fromAddress).join('\n') + '\n');
}
```

用法举例：

```
Interceptor.attach(curMethod implementation, {
  onEnter: function(args) {
    printFunctionCallStack_addr(this.context)
```

输出：

```
Stack:
0x109af910 SharedModules WAGetWCIHttpImpl
0x106a14cb4 0x2304cb4 (0x102304cb4)
0x1062e9ff4 0x1bd9ff4 (0x101bd9ff4)
0x1062e9f80 0x1bd9f80 (0x101bd9f80)
0x1069da1fc 0x22ca1fc (0x1022ca1fc)
```

```

0x1069d9ee4 0x22c9ee4 (0x1022c9ee4)
0x1069d16a8 0x22c16a8 (0x1022c16a8)
0x1952e99ac UIKitCore -[UIApplication sendAction:to:from:forEvent:]
0x194d1ffbc UIKitCore -[UIControl sendAction:to:forEvent:]
0x194d20320 UIKitCore -[UIControl _sendActionsForEvents:withEvent:]
0x194d1f33c UIKitCore -[UIControl touchesEnded:withEvent:]
0x195323050 UIKitCore -[UIWindow _sendTouchesForEvent:]
0x195324390 UIKitCore -[UIWindow sendEvent:]
0x195300a9c UIKitCore -[UIApplication sendEvent:]
0x1061487b8 0x1a387b8 (0x101a387b8)
0x195378c20 UIKitCore __dispatchPreprocessedEventFromEventQueue

```

printFunctionCallStack_symbol

代码：

```

/*********************************************
 * Config & Settings
********************************************/

// Print Function Stack Call
let isUseCache = true

// print only once stack for every function
let isPrintOnlyOnceStack = true

let cfgPrintOnceStackExceptionList = [
    "+[NSURLRequest requestWithURL:]",
]

/*********************************************
 * Global Variables
********************************************/


var gPrintedStackDict = {}

var gAddrToModuleInfoDict = {}
var gModulePathToSlideDict = {}
var gModulePathToClassesDict = {}
var gModulePathAddrToSymbolDict = {}
var gClassnameToAllMethodsDict = {}


var free = null
var objc_getClass = null
var class_copyMethodList = null
var objc_getMetaClass = null
var method_getName = null
var dladdr = null
var _dyld_image_count = null
var _dyld_get_image_name = null
var _dyld_get_image_vmaddr_slide = null
var objc_copyClassNamesForImage = null

```

```

***** iOS Common Lib Functions *****

function initCommonLibFunctions(){
    console.log("Init common functions in common libs:")

    // free
    free = new NativeFunction(
        Module.findExportByName(null, 'free'),
        'void',
        ['pointer']
    )
    console.log("free=" + free)

    objc_getClass = new NativeFunction(
        Module.findExportByName(null, 'objc_getClass'),
        'pointer',
        ['pointer']
    )
    console.log("objc_getClass=" + objc_getClass)

    class_copyMethodList = new NativeFunction(
        Module.findExportByName(null, 'class_copyMethodList'),
        'pointer',
        ['pointer', 'pointer']
    )
    console.log("class_copyMethodList=" + class_copyMethodList)

    objc_getMetaClass = new NativeFunction(
        Module.findExportByName(null, 'objc_getMetaClass'),
        'pointer',
        ['pointer']
    )
    console.log("objc_getMetaClass=" + objc_getMetaClass)

    method_getName = new NativeFunction(
        Module.findExportByName(null, 'method_getName'),
        'pointer',
        ['pointer']
    )
    console.log("method_getName=" + method_getName)

/*
int dladdr(const void *, Dl_info *);

typedef struct Dl_info {
    const char      *dli_fname;      // Pathname of shared object
    void           *dli_fbase;      // Base address of shared object
    const char      *dli_sname;      // Name of nearest symbol
    void           *dli_saddr;      // Address of nearest symbol
} Dl_info;

*/
dladdr = new NativeFunction(
    Module.findExportByName(null, 'dladdr'),
    'int',

```

```

        ['pointer','pointer']
    )
    console.log("dIaddr=" + dIaddr)

    // uint32_t _dyld_image_count(void)
    _dyld_image_count = new NativeFunction(
        Module.findExportByName(null, '_dyld_image_count'),
        'uint32',
        []
    )
    console.log("_dyld_image_count=" + _dyld_image_count)

    // const char* _dyld_get_image_name(uint32_t image_index)
    _dyld_get_image_name = new NativeFunction(
        Module.findExportByName(null, '_dyld_get_image_name'),
        'pointer',
        ['uint32']
    )
    console.log("_dyld_get_image_name=" + _dyld_get_image_name)

    // intptr_t _dyld_get_image_vmaddr_slide(uint32_t image_index)
    _dyld_get_image_vmaddr_slide = new NativeFunction(
        Module.findExportByName(null, '_dyld_get_image_vmaddr_slide'),
        'pointer',
        ['uint32']
    )
    console.log("_dyld_get_image_vmaddr_slide=" + _dyld_get_image_vmaddr_slide)

    // const char * objc_copyClassNamesForImage(const char *image, unsigned int *outCount)
    objc_copyClassNamesForImage = new NativeFunction(
        Module.findExportByName(null, 'objc_copyClassNamesForImage'),
        'pointer',
        ['pointer', 'pointer']
    );
    console.log("objc_copyClassNamesForImage=" + objc_copyClassNamesForImage)
}

// https://github.com/4ch12dy/FridaLib/blob/master/ios/iosFridaLib.js

// xia0 log
function XLOG(log) {
    console.log("[*] " + log)
}

// format string with width
function format(str,width){
    str = str + ""
    var len = str.length;

    if(len > width){
        return str
    }

    for(var i = 0; i < width - len; i++){

```

```

        str += " "
    }
    return str
}

function getExecFileName(modulePath){
    modulePath += ""
    return modulePath.split("/").pop()
}

// get module info from address
function getInfoFromAddress(address){
    var moduleInfoDict = null
    var needAddToCache = false

    if (isUseCache){
        if (address in gAddrToModuleInfoDict){
            moduleInfoDict = gAddrToModuleInfoDict[address]
            // XLOG("Found: address=" + address + " in gAddrToModuleInfoDict, moduleInfoDict=" + toJsonStr(moduleInfoDict))
            return moduleInfoDict
        } else {
            needAddToCache = true
        }
    }

    var dl_info = Memory.alloc(Process.pointerSize * 4);

    dladdr(ptr(address), dl_info)

    var dli_fname = Memory.readCString(Memory.readPointer(dl_info))
    var dli_fbase = Memory.readPointer(dl_info.add(Process.pointerSize))
    var dli_sname = Memory.readCString(Memory.readPointer(dl_info.add(Process.pointerSize * 2)))
    var dli_saddr = Memory.readPointer(dl_info.add(Process.pointerSize * 3))

    //XLOG("dli_fname:"+dli_fname)
    //XLOG("dli_fbase:"+dli_fbase)
    //XLOG("dli_sname:"+dli_sname)
    //XLOG("dli_saddr:"+dli_saddr)

    // var addrInfo = new Array();

    // addrInfo.push(dli_fname);
    // addrInfo.push(dli_fbase);
    // addrInfo.push(dli_sname);
    // addrInfo.push(dli_saddr);

    // //XLOG(addrInfo)
    // return addrInfo;

    moduleInfoDict = {
        "fileName": dli_fname,
        "fileAddress": dli_fbase,
        "symbolName": dli_sname,
        "symbolAddress": dli_saddr,
    }
}

```

```

    }

    if (needAddToCache){
        // XLOG("Add: address=" + address + ", moduleInfoDict=" + toJsonStr(moduleInfoDict) + " into cache gAddrToModuleInfoDict")
        gAddrToModuleInfoDict[address] = moduleInfoDict
    }

    return moduleInfoDict
}

function get_image_vm_slide(modulePath){
    var moduleSlide = 0

    var needAddToCache = false

    if (isUseCache){
        if (modulePath in gModulePathToSlideDict){
            moduleSlide = gModulePathToSlideDict[modulePath]
            // XLOG("Found: modulePath=" + modulePath + " in gModulePathToSlideDict, moduleSlide=" + moduleSlide)
            return moduleSlide
        } else {
            needAddToCache = true
        }
    }

    var image_count = _dyld_image_count()

    for (var i = 0; i < image_count; i++) {
        var image_name_ptr = _dyld_get_image_name(i)
        var image_slide_ptr = _dyld_get_image_vmaddr_slide(i)
        var image_name = Memory.readUtf8String(image_name_ptr)

        if (image_name == modulePath) {
            //XLOG(Memory.readUtf8String(image_name_ptr) + " slide:" + image_slide_ptr)
            // return image_slide_ptr
            moduleSlide = image_slide_ptr
            break
        }
        //XLOG(Memory.readUtf8String(image_name_ptr) + " slide:" + image_slide_ptr)
    }

    // return 0

    if (needAddToCache){
        // XLOG("Add: modulePath=" + modulePath + ", moduleSlide=" + moduleSlide + " into cache gModulePathToSlideDict")
        gModulePathToSlideDict[modulePath] = moduleSlide
    }

    return moduleSlide
}

```

```

function get_all_objc_class(modulePath){
    var classes = new Array()

    var needAddToCache = false

    if (isUseCache){
        if (modulePath in gModulePathToClassesDict){
            classes = gModulePathToClassesDict[modulePath]
            // XLOG("Found: modulePath=" + modulePath + " in gModulePathToClassesDict,
            classes=" + classes)
            // XLOG("Found: modulePath=" + modulePath + " in gModulePathToClassesDict,
            classes.length=" + classes.length)
            return classes
        } else {
            needAddToCache = true
        }
    }

    // if given modulePath nil, default is mainBundle
    if( modulePath){
        var path = ObjC.classes.NSBundle.mainBundle().executablePath().UTF8String()
    }else{
        var path = modulePath
    }

    // create args
    var pPath = Memory.allocUtf8String(path)
    var p = Memory.alloc(Process.pointerSize)
    Memory.writeUInt(p, 0)

    var pClasses = objc_copyClassNamesForImage(pPath, p)
    var count = Memory.readUInt(p)
    classes = new Array(count)

    for (var i = 0; i < count; i++) {
        var pClassName = Memory.readPointer(pClasses.add(i * Process.pointerSize))
        classes[i] = Memory.readUtf8String(pClassName)
    }

    free(pClasses)

    if (needAddToCache){
        // XLOG("Add: modulePath=" + modulePath + ", classes=" + classes + " into cache
        gModulePathToClassesDict")
        // XLOG("Add: modulePath=" + modulePath + ", classes.length=" + classes.length
        + " into cache gModulePathToClassesDict")
        gModulePathToClassesDict[modulePath] = classes
    }

    // XLOG(classes)
    return classes
}

function get_all_class_methods(classname){
    var allMethods = new Array()

```

```

var needAddToCache = false

if (isUseCache){
    if (classname in gClassnameToAllMethodsDict){
        allMethods = gClassnameToAllMethodsDict[classname]
        // XLOG("Found: classname=" + classname + " in gClassnameToAllMethodsDict,
allMethods=" + toJsonStr(allMethods))
        // XLOG("Found: classname=" + classname + " in gClassnameToAllMethodsDict,
allMethods.length=" + allMethods.length)
        return allMethods
    } else {
        needAddToCache = true
    }
}

// get objclass and metaclass
var name = Memory.allocUtf8String(classname)
var objClass = objc_getClass(name)
var metaClass = objc_getMetaClass(name)

// get obj class all methods
var size_ptr = Memory.alloc(Process.pointerSize)
Memory.writeUInt(size_ptr, 0)
var pObjMethods = class_copyMethodList(objClass, size_ptr)
var count = Memory.readUInt(size_ptr)

var allObjMethods = new Array()

// get obj class all methods name and IMP
for (var i = 0; i < count; i++) {
    var curObjMethod = new Array()
    var pObjMethodSEL = method_getName(pObjMethods.add(i * Process.pointerSize))
    var pObjMethodName = Memory.readCString(Memory.readPointer(pObjMethodSEL))
    var objMethodIMP = Memory.readPointer(pObjMethodSEL.add(2 * Process.pointerSize))
    // XLOG("-["+classname+ " " + pObjMethodName+"]" + ":" + objMethodIMP)
    curObjMethod.push(pObjMethodName)
    curObjMethod.push(objMethodIMP)
    allObjMethods.push(curObjMethod)
}

var allMetaMethods = new Array()

// get meta class all methods name and IMP
var pMetaMethods = class_copyMethodList(metaClass, size_ptr)
var count = Memory.readUInt(size_ptr)
for (var i = 0; i < count; i++) {
    var curMetaMethod = new Array()

    var pMetaMethodSEL = method_getName(pMetaMethods.add(i * Process.pointerSize))
    var pMetaMethodName = Memory.readCString(Memory.readPointer(pMetaMethodSEL))
    var metaMethodIMP = Memory.readPointer(pMetaMethodSEL.add(2 * Process.pointerSize))
}

//XLOG("-["+classname+ " " + pMetaMethodName+"]" + ":" + metaMethodIMP)
curMetaMethod.push(pMetaMethodName)
curMetaMethod.push(metaMethodIMP)

```

```

        allMetaMethods.push(curMetaMethod)
    }

    allMethods.push(allObjMethods)
    allMethods.push(allMetaMethods)

    free(pObjMethods)
    free(pMetaMethods)

    if (needAddToCache){
        // XLOG("Add: classname=" + classname + ", allMethods=" + toJsonStr(allMethods)
        // + " into cache gclassnameToAllMethodsDict")
        // XLOG("Add: classname=" + classname + ", allMethods.length=" + allMethods.length
        // + " into cache gclassnameToAllMethodsDict")
        gclassnameToAllMethodsDict[classname] = allMethods
    }

    return allMethods
}

function find_symbol_from_address(modulePath, addr){
    var symbol = "???"
    var modulePathAddr = modulePath + "|" + addr

    var needAddToCache = false

    if (isUseCache){
        if (modulePathAddr in gModulePathAddrToSymbolDict){
            symbol = gModulePathAddrToSymbolDict[modulePathAddr]
            // XLOG("Found: modulePathAddr=" + modulePathAddr + " in gModulePathAddrToSymbolDict, symbol=" + symbol)
            return symbol
        } else {
            needAddToCache = true
        }
    }

    var frameAddr = addr
    var theDis = 0xffffffffffffffffffff
    var tmpDis = 0
    var theClass = "None"
    var theMethodName = "None"
    var theMethodType = "."
    var theMethodIMP = 0

    var allClassInfo = {}

    var allClass = getAll_objc_class(modulePath)

    for(var i = 0, len = allClass.length; i < len; i++){
        var curClassName = allClass[i]
        // var mInfo = getAll_class_method(curClassName)
        var mInfo = getAll_class_methods(curClassName)

        var objms = mInfo[0]
        for(var j = 0, olen = objms.length; j < olen; j++){
            if (objms[j].addr == frameAddr && objms[j].dis == theDis && objms[j].tmpDis == tmpDis && objms[j].class == theClass && objms[j].method == theMethodName && objms[j].type == theMethodType && objms[j].imp == theMethodIMP){
                symbol = objms[j].symbol
                break
            }
        }
    }
}

```

```

        var mname = objs[j][0]
        var mIMP = objs[j][1]
        if(frameAddr >= mIMP){
            var tmpDis = frameAddr - mIMP
            if(tmpDis < theDis){
                theDis = tmpDis
                theClass = curClassName
                theMethodName = mname
                theMethodIMP = mIMP
                theMethodType = "-"
            }
        }

        var metams = mInfo[1]
        for(var k = 0, mlen = metams.length, k < mlen; k++){
            var mname = metams[k][0]
            var mIMP = metams[k][1]
            if(frameAddr >= mIMP){
                var tmpDis = frameAddr - mIMP
                if(tmpDis < theDis){
                    theDis = tmpDis
                    theClass = curClassName
                    theMethodName = mname
                    theMethodIMP = mIMP
                    theMethodType = "+"
                }
            }
        }
    }

    symbol = theMethodType + "[" + theClass + " " + theMethodName + "]"

    if(symbol.indexOf(".cxx") != -1){
        symbol = "maybe C function?"
    }

    // if distance > 3000, maybe a c function
    if(theDis > 3000){
        symbol = "maybe C function? symbol:" + symbol
    }

    if (needAddToCache){
        // XLOG("Add: modulePathAddr=" + modulePathAddr + ", symbol=" + symbol + " into
        cache gModulePathAddrToSymbolDict")
        gModulePathAddrToSymbolDict[modulePathAddr] = symbol
    }

    return symbol
}

function generateFunctionCallStackList(context){
    var functionCallList = new Array()

    var mainPath = ObjC.classes.NSBundle mainBundle().executablePath().UTF8String()

```

```

// XLOG("mainPath=" + mainPath)
var mainModuleName = getExecFileName(mainPath)
// XLOG("mainModuleName=" + mainModuleName)

var backtrace = Thread.backtrace(context, Backtracer.ACCURATE).map(DebugSymbol.from
Address)
for (var i = 0; i < backtrace.length; i++) {
    // curStackFrame=0x10a1d1910 SharedModules!WAGetWCIHttpImpl
    // curStackFrame=0x1070f0cb4 !0x2304cb4 (0x102304cb4)
    // curStackFrame=0x1944a9614 /System/Library/Frameworks/CFNetwork.framework/CFN
etwork+[NSURLRequest requestWithURL:]
    var curStackFrame = backtrace[i] + ''
    // XLOG("curStackFrame=" + curStackFrame)

    // var curSym = curStackFrame.split("!")[1]
    var stackFrameSplittedArr = curStackFrame.split("!")
    var curAddrAndModuleStr = stackFrameSplittedArr[0]
    // XLOG("curAddrAndModuleStr=" + curAddrAndModuleStr)
    var curSym = stackFrameSplittedArr[1]
    // XLOG("curSym=" + curSym)

    // var curAddr = curStackFrame.split("!")[0].split(" ")[0]
    var curAddrAndModuleArr = curAddrAndModuleStr.split(" ")
    // XLOG("curAddrAndModuleArr=" + curAddrAndModuleArr)
    var curAddr = curAddrAndModuleArr[0]
    // XLOG("curAddr=" + curAddr)
    // var curModuleName = curStackFrame.split("!")[0].split(" ")[1]
    var curModuleName = curAddrAndModuleArr[1]
    // XLOG("curModuleName=" + curModuleName)

    var moduleInfoDict = getInfoFromAddress(curAddr);
    // XLOG("moduleInfoDict=" + toJsonStr(moduleInfoDict))

    var curModulePath = moduleInfoDict["fileName"]
    // XLOG("curModulePath=" + curModulePath)
    var fileAddress = moduleInfoDict["fileAddress"]
    // XLOG("fileAddress=" + fileAddress)
    var symbolName = moduleInfoDict["symbolName"]
    // XLOG("symbolName=" + symbolName)
    var symbolAddress = moduleInfoDict["symbolAddress"]
    // XLOG("symbolAddress=" + symbolAddress)

    // skip frida call stack
    if( curModulePath){
        XLOG("! Omit for empty module path, parsed from curAddr=" + curAddr + ", mo
duleInfoDict=" + moduleInfoDict)
        continue
    }

    // var fileAddr = curAddr - getImageVmSlide(curModulePath);
    var curModuleSlide = getImageVmSlide(curModulePath)
    // XLOG("curModuleSlide=" + curModuleSlide)
    var fileAddr = curAddr - curModuleSlide
    // XLOG("fileAddr=" + fileAddr)

```

```

    // is the image in app dir?
    if (curModulePath.indexOf(mainModuleName) != -1) {
        curSym = find_symbol_from_address(curModulePath, curAddr)
        // XLOG("new curSym=" + curSym)
    }

    var curFunctionCallDict = {
        "curModulePath": curModulePath,
        "curAddr": curAddr,
        "fileAddr": fileAddr,
        "curSym": curSym,
    }
    functionCallList.push(curFunctionCallDict)
}

return functionCallList
}

function generateFunctionCallStackStr(functionCallList){
    var functionCallStackStr = "----- printFunctionCallStack_symbol\n-----"
    functionCallStackStr += "\n"
    for (var i = 0; i < functionCallList.length; i++){
        var curFunctionCallDict = functionCallList[i]
        var curModulePath = curFunctionCallDict["curModulePath"]
        var curAddr = curFunctionCallDict["curAddr"]
        var fileAddr = curFunctionCallDict["fileAddr"]
        var curSym = curFunctionCallDict["curSym"]
        var executableFilename = getExecFileName(curModulePath)
        let execMaxWidth = 20
        // let execMaxWidth = 25
        var curFuncCallStr = format(i, 4)+format(executableFilename, execMaxWidth)+"mem
;" +format(ptr(curAddr),13)+"file:" +format(ptr(fileAddr),13)+format(curSym,80)
        functionCallStackStr += curFuncCallStr + "\n"
    }
    functionCallStackStr += "-----\n-----"
    return functionCallStackStr
}

function printFunctionCallStack_symbol(context){
    var functionCallStackList = generateFunctionCallStackList(context)
    var functionCallStackStr = generateFunctionCallStackStr(functionCallStackList)
    console.log(functionCallStackStr)
    return functionCallStackStr
}

```

调用举例：

```

*****
 * Main
*****
initCommonLibFunctions()

```

```

    ...
        Interceptor.attach(curMethod.implementation, {
            onEnter: function(args) {
                // console.log("=====[*] Detected call to: " + 
iosObjCallStr);
                var logstr = "Called: " + iosObjCallStr
                var lineStr = generateLineStr(logstr)
                console.log(lineStr)

                var shouldPrintStack = true
                if (iosObjCallStr in gPrintedStackDict){
                    // console.log("iosObjCallStr=" + iosObjCallStr + " in gPri
ntedStackDict=" + toJsonStr(gPrintedStackDict.keys))
                    if (isPrintOnlyOnceStack){
                        // if (iosObjCallStr in cfgPrintOnceStackExceptionList){

                            if (isItemInList(iosObjCallStr, cfgPrintOnceStackExcept
ionList)){
                                // console.log("iosObjCallStr=" + iosObjCallStr + " 
in cfgPrintOnceStackExceptionList=" + toJsonStr(cfgPrintOnceStackExceptionList))
                                shouldPrintStack = true
                            } else {
                                shouldPrintStack = false
                            }
                        }
                    }
                }

                // console.log("shouldPrintStack=" + shouldPrintStack)

                if (shouldPrintStack) {
                    // printFunctionCallStack_addr(this.context)

                    // printFunctionCallStack_symbol(this.context)
                    var functionCallStackList = generateFunctionCallStackList(t
his.context)
                    var functionCallStackStr = generateFunctionCallStackStr(fun
ctionCallStackList)
                    console.log(functionCallStackStr)

                    gPrintedStackDict[iosObjCallStr] = functionCallStackStr
                }
            }
        })
    ...
}

```

(相关) 输出:

```

=====
Called: +[NSURLRequest requestWithURL:] =====

----- printFunctionCallStack_symbol -----
0 SharedModules      mem:0x1072fd910 file:0xc29910 +[WACertPinning sharedPinned
WhatsAppCertificateWithoutDomainValidation]
1 WhatsApp          mem:0x104584cb4  file:0x102304cb4 +[WARegistrationURLBuilder p
reChatdABPropURLRequestWithPhoneNumber:abHash:]
2 WhatsApp          mem:0x10458befc  file:0x10230befc -[WARegistrationManager requ

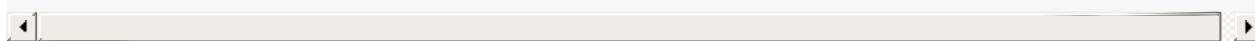
```

```

estPreChatdABPropsForPhoneNumber:userContext:completion:]
3 WhatsApp           mem:0x1045876a0 file:0x1023076a0 -[WRegistrationManager performSameDeviceCheckForSession:updateRegistrationTokenIfNecessary:fetchPreChatdABProps:withCompletion:]
4 WhatsApp           mem:0x10455c220 file:0x1022dc220 -[WAPhoneInputViewController performDeviceCheckForPhoneNumber:session:isFirstCheck:]
5 WhatsApp           mem:0x10455bfff8 file:0x1022dbfff8 -[WAPhoneInputViewController performSameDeviceCheckForPhoneNumber:]
6 WhatsApp           mem:0x10455f658 file:0x1022df658 maybe C function?
7 WhatsApp           mem:0x10453e038 file:0x1022be038 +[WATwoFactorWipeToken tokenFromResponseDictionary:]
8 WhatsApp           mem:0x10455e834 file:0x1022de834 -[WAPhoneInputViewController doneWithVideo:]
9 WhatsApp           mem:0x10455f758 file:0x1022df758 maybe C function?
10 SharedModules      mem:0x106a775b0 file:0x3a35b0 -[WDSButtonConfiguration setDidTap:]
11 SharedModules      mem:0x106b451e8 file:0x4711e8 +[WDSViewCallback callback:]
12 SharedModules      mem:0x106aacb84 file:0x3d8b84 -[_TtCC15UILibraryShared6Button12NativeButton intrinsicContentSize]
13 SharedModules      mem:0x106aacbc0 file:0x3d8bc0 -[_TtCC15UILibraryShared6Button12NativeButton didTap:]
14 UIKitCore          mem:0x1c14b99ac file:0x1845199ac -[UIApplication sendAction:to:from:forEvent:]
15 UIKitCore          mem:0x1c0eeffbc file:0x183f4ffbc -[UIControl sendAction:to:forEvent:]

-----
argCount: 1
----- [0] curArgPtr=0x283c61e00 -----
curArgPtrObj: className= NSURL, value= https://v.whatsapp.net/v2/reg_onboard_abprop?cc=1&in=8784650468&rc=0&ab_hash=1zduBG

```



- 截图

- 新

-

- 旧

-

Android函数

此处整理Frida的js中，Android方面的函数：

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下面列出相关参考资料。

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参考资料

- [4ch12dy/FridaLib: iOS/android frida library for reversing \(github.com\)](#)
-

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