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搜索

亚洲最全的iOS各种设备信息获取总结

iOS



实时 稳定 简

告

为了统计用户信息、下发广告，服务器端往往需要手机用户设备及app的各种信息，下面讲述一下各种信息的获取方式：



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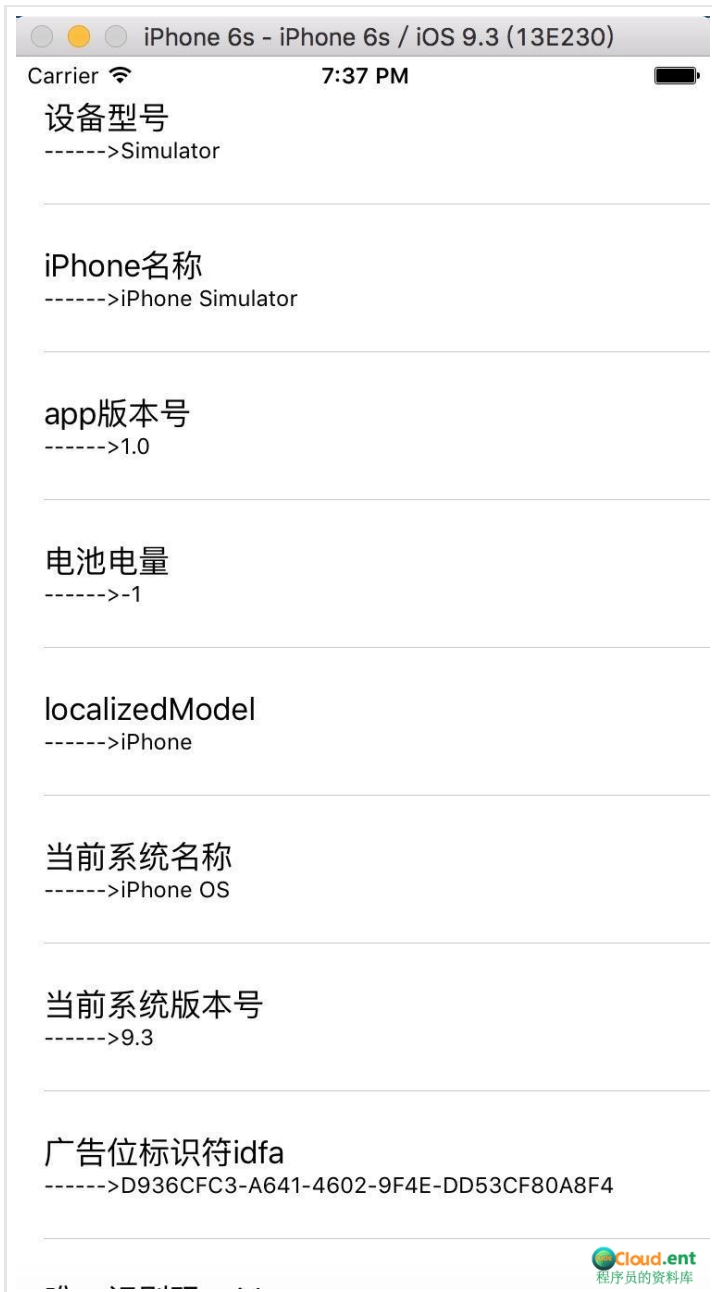
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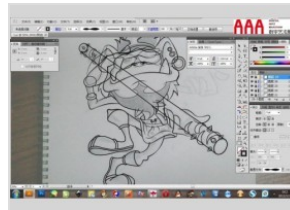
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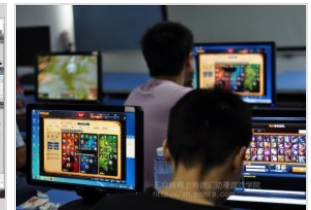
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PHP 和 AJAX responseXML 实例





点击下载以上展示效果的GitHub源码

一行代码就搞定的统一来！

```
// 这个方法后面会列出来
NSString *deviceName = [self
getDeviceName];
NSLog(@"设备型号-->%@", deviceName);

NSString *iPhoneName = [UIDevice
currentDevice].name;
NSLog(@"iPhone名称-->%@", iPhoneName);
```

```

    NSString *appVerion = [[[NSBundle
mainBundle] infoDictionary] objectForKey:@"CF
BundleShortVersionString"];
    NSLog(@"app版本号-->%@", appVerion);

    CGFloat batteryLevel = [[UIDevice
currentDevice] batteryLevel];
    NSLog(@"电池电量-->%@", batteryLevel);

    NSString *localizedModel = [UIDevice
currentDevice].localizedModel;
    NSLog(@"localizedModel-->%@",
localizedModel);

    NSString *systemName = [UIDevice
currentDevice].systemName;
    NSLog(@"当前系统名称-->%@", systemName);

    NSString *systemVersion = [UIDevice
currentDevice].systemVersion;
    NSLog(@"当前系统版本号-->%@", systemVersion)
;

    struct utsname systemInfo;
    uname(&systemInfo);
    NSString *device_model = [NSString
stringWithCString:systemInfo.machine encoding
:NSUTF8StringEncoding];
    NSLog(@"device_model-->%@", device_model)
;

    // 这个方法后面会单独列出
    NSString *macAddress = [self
getMacAddress];
    NSLog(@"macAddress-->%@", macAddress);

    // 这个方法后面会单独列出
    NSString *deviceIP = [self
getDeviceIPAddresses];
    NSLog(@"deviceIP-->%@", deviceIP);

```

广告位标识符：在同一个设备上的所有App都会取到相同的值，是苹果专门给各广告提供商用来追踪用户而设的，用户可以在 设置|隐私|广告追踪里重置此id的值，或限制此id的使用，故此id有可能会取不到值，但好在Apple默认是允许追

踪的，而且一般用户都不知道有这么个设置，所以基本上用来监测推广效果，是戳戳有余了

```
NSString *idfa = [[[ASIdentifierManager sharedManager] advertisingIdentifier] UUIDString];
NSLog(@"广告位标识符idfa-->%@", idfa);
```

UUID是Universally Unique Identifier的缩写，中文意思是通用唯一识别码。它是让分布式系统中的所有元素，都能有唯一的辨识资讯，而不需要透过中央控制端来做辨识资讯的指定。这样，每个人都可以建立不与其它人冲突的 UUID。在此情况下，就不需考虑数据库建立时的名称重复问题。苹果公司建议使用UUID为应用生成唯一标识字符串。

```
NSString *uuid = [[[UIDevice currentDevice] identifierForVendor] UUIDString];
NSLog(@"唯一识别码uuid-->%@", uuid);
```

获取设备型号

// 获取设备型号然后手动转化为对应名称

```
- (NSString *)getDeviceName
{
    // 需要#import "sys/utsname.h"
    #warning 题主呕心沥血总结!! 最全面! 亲测! 全网独此一份!!

    struct utsname systemInfo;
    uname(&systemInfo);

    NSString *deviceString = [NSString stringWithCString:systemInfo.machine encoding:NSUTF8StringEncoding];

    if ([deviceString isEqualToString:@"iPhone3,1"]) return @"iPhone 4";
    if ([deviceString isEqualToString:@"iPhone3,2"]) return @"iPhone 4";
    if ([deviceString isEqualToString:@"iPhone3,3"]) return @"iPhone 4";
```

技术头条

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PHP 和 AJAX responseXML 实例



```
        if ([deviceString isEqualToString:@"iPhone4,1"])    return @"iPhone 4S";
        if ([deviceString isEqualToString:@"iPhone5,1"])    return @"iPhone 5";
        if ([deviceString isEqualToString:@"iPhone5,2"])    return @"iPhone 5 (GSM+CDMA)";
        if ([deviceString isEqualToString:@"iPhone5,3"])    return @"iPhone 5c (GSM)";
        if ([deviceString isEqualToString:@"iPhone5,4"])    return @"iPhone 5c (GSM+CDMA)";
        if ([deviceString isEqualToString:@"iPhone6,1"])    return @"iPhone 5s (GSM)";
        if ([deviceString isEqualToString:@"iPhone6,2"])    return @"iPhone 5s (GSM+CDMA)";
        if ([deviceString isEqualToString:@"iPhone7,1"])    return @"iPhone 6 Plus";
        if ([deviceString isEqualToString:@"iPhone7,2"])    return @"iPhone 6";
        if ([deviceString isEqualToString:@"iPhone8,1"])    return @"iPhone 6s";
        if ([deviceString isEqualToString:@"iPhone8,2"])    return @"iPhone 6s Plus";
        if ([deviceString isEqualToString:@"iPhone8,4"])    return @"iPhone SE";

        if ([deviceString isEqualToString:@"iPod1,1"])    return @"iPod Touch 1G";
        if ([deviceString isEqualToString:@"iPod2,1"])    return @"iPod Touch 2G";
        if ([deviceString isEqualToString:@"iPod3,1"])    return @"iPod Touch 3G";
        if ([deviceString isEqualToString:@"iPod4,1"])    return @"iPod Touch 4G";
        if ([deviceString isEqualToString:@"iPod5,1"])    return @"iPod Touch (5 Gen)";

        if ([deviceString isEqualToString:@"iPad1,1"])    return @"iPad";
        if ([deviceString isEqualToString:@"iPad1,2"])    return @"iPad 3G";
        if ([deviceString isEqualToString:@"iPad2,1"])    return @"iPad 2 (WiFi)";
        if ([deviceString isEqualToString:@"iPad2,2"])    return @"iPad 2";
        if ([deviceString isEqualToString:@"iPad2,3"])    return @"iPad 2 (CDMA)";
        if ([deviceString isEqualToString:@"iPad2,4"])    return @"iPad 2 (LTE)";
```



```
,4"))        return @"iPad 2";
    if ([deviceString isEqualToString:@"iPad2
,5"))        return @"iPad Mini (WiFi)";
    if ([deviceString isEqualToString:@"iPad2
,6"))        return @"iPad Mini";
    if ([deviceString isEqualToString:@"iPad2
,7"))        return @"iPad Mini (GSM+CDMA)";
    if ([deviceString isEqualToString:@"iPad3
,1"))        return @"iPad 3 (WiFi)";
    if ([deviceString isEqualToString:@"iPad3
,2"))        return @"iPad 3 (GSM+CDMA)";
    if ([deviceString isEqualToString:@"iPad3
,3"))        return @"iPad 3";
    if ([deviceString isEqualToString:@"iPad3
,4"))        return @"iPad 4 (WiFi)";
    if ([deviceString isEqualToString:@"iPad3
,5"))        return @"iPad 4";
    if ([deviceString isEqualToString:@"iPad3
,6"))        return @"iPad 4 (GSM+CDMA)";
    if ([deviceString isEqualToString:@"iPad4
,1"))        return @"iPad Air (WiFi)";
    if ([deviceString isEqualToString:@"iPad4
,2"))        return @"iPad Air (Cellular)";
    if ([deviceString isEqualToString:@"iPad4
,4"))        return @"iPad Mini 2 (WiFi)";
    if ([deviceString isEqualToString:@"iPad4
,5"))        return @"iPad Mini 2 (Cellular)";
    if ([deviceString isEqualToString:@"iPad4
,6"))        return @"iPad Mini 2";
    if ([deviceString isEqualToString:@"iPad4
,7"))        return @"iPad Mini 3";
    if ([deviceString isEqualToString:@"iPad4
,8"))        return @"iPad Mini 3";
    if ([deviceString isEqualToString:@"iPad4
,9"))        return @"iPad Mini 3";
    if ([deviceString isEqualToString:@"iPad5
,1"))        return @"iPad Mini 4 (WiFi)";
    if ([deviceString isEqualToString:@"iPad5
,2"))        return @"iPad Mini 4 (LTE)";
    if ([deviceString isEqualToString:@"iPad5
,3"))        return @"iPad Air 2";
    if ([deviceString isEqualToString:@"iPad5
,4"))        return @"iPad Air 2";
    if ([deviceString isEqualToString:@"iPad6
,3"))        return @"iPad Pro 9.7";
    if ([deviceString isEqualToString:@"iPad6
,4"))        return @"iPad Pro 9.7";
```

```

        if ([deviceString isEqualToString:@"iPad6
,7"])            return @"iPad Pro 12.9";
        if ([deviceString isEqualToString:@"iPad6
,8"])            return @"iPad Pro 12.9";

        if ([deviceString isEqualToString:@"i386"
])                return @"Simulator";
        if ([deviceString isEqualToString:@"x86_6
4"])            return @"Simulator";

        return deviceString;
    }

```

mac 地址

```

- (NSString *)getMacAddress {
    int mib[6];
    size_t len;
    char *buf;
    unsigned char *ptr;
    struct if_msghdr *ifm;
    struct sockaddr_dl *sdl;

    mib[0] = CTL_NET;
    mib[1] = AF_ROUTE;
    mib[2] = 0;
    mib[3] = AF_LINK;
    mib[4] = NET_RT_IFLIST;

    if ((mib[5] = if_nametoindex("en0")) == 0
) {
        printf("Error: if_nametoindex error/n
");
        return NULL;
    }

    if (sysctl(mib, 6, NULL, &len, NULL, 0) <
0) {
        printf("Error: sysctl, take 1/n");
        return NULL;
    }

    if ((buf = malloc(len)) == NULL) {
        printf("Could not allocate memory. er
ror!/n");
        return NULL;
    }

```



```

    }

    if (sysctl(mib, 6, buf, &len, NULL, 0) <
0) {
        printf("Error: sysctl, take 2");
        return NULL;
    }

    ifm = (struct if_msghdr *)buf;
    sdl = (struct sockaddr_dl *) (ifm + 1);
    ptr = (unsigned char *)LLADDR(sdl);

    NSString *outstring = [NSString
stringWithFormat:@"%02x%02x%02x%02x%02x%02x",
*ptr, *(ptr+1), *(ptr+2), *(ptr+3), *(ptr+4),
*(ptr+5)];
    free(buf);

    return [outstring uppercaseString];
}

```

IP地址

```

- (NSString *)getDeviceIPAddresses {

    int sockfd = socket(AF_INET, SOCK_DGRAM,
0);

    NSMutableArray *ips = [NSMutableArray
array];

    int BUFFERSIZE = 4096;

    struct ifconf ifc;

    char buffer[BUFFERSIZE], *ptr, lastname[I
FNAMSIZ], *cptr;

    struct ifreq *ifr, ifrcopy;

    ifc.ifc_len = BUFFERSIZE;
    ifc.ifc_buf = buffer;

    if (ioctl(sockfd, SIOCGIFCONF, &ifc) >= 0
){

```

```
        for (ptr = buffer; ptr < buffer + ifc
.ifc_len; ){

            ifr = (struct ifreq *)ptr;
            int len = sizeof(struct sockaddr)

;

            if (ifr->ifr_addr.sa_len > len) {
                len = ifr->ifr_addr.sa_len;
            }

            ptr += sizeof(ifr->ifr_name) +
len;

            if (ifr->ifr_addr.sa_family !=
AF_INET) continue;

            if ((cptr = (char *)strchr(ifr->i
fr_name, ':')) != NULL) *cptr = 0;

            if (strncmp(lastname, ifr->ifr_na
me, IFNAMSIZ) == 0) continue;

            memcpy(lastname, ifr->ifr_name,
IFNAMSIZ);

            ifrcopy = *ifr;
            ioctl(sockfd, SIOCGIFFLAGS, &ifrc
opy);

            if ((ifrcopy.ifr_flags & IFF_UP)
== 0) continue;

            NSString *ip = [NSString
stringWithFormat:@"%s", inet_ntoa(((struct
sockaddr_in *)&ifr->ifr_addr)->sin_addr)];
            [ips addObject:ip];
        }
    }

    close(sockfd);
    NSString *deviceIP = @"";

    for (int i=0; i < ips.count; i++) {
        if (ips.count > 0) {
            deviceIP = [NSString
stringWithFormat:@"%@", ips.lastObject];
        }
    }

    return deviceIP;
}
```

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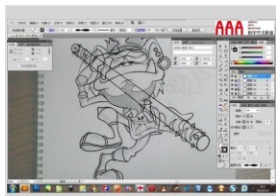
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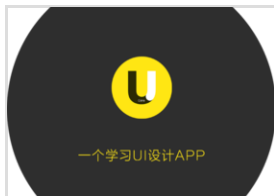
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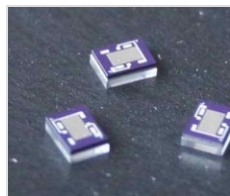
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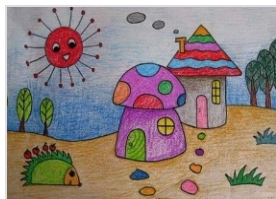
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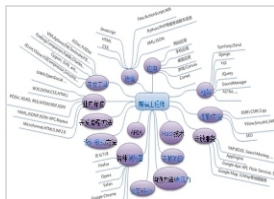
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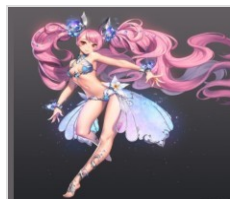
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