

网站/服务器取证 实践与挑战

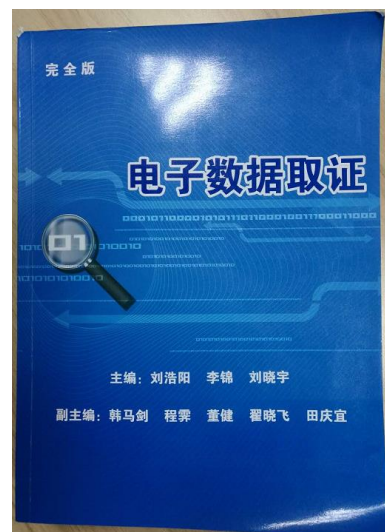
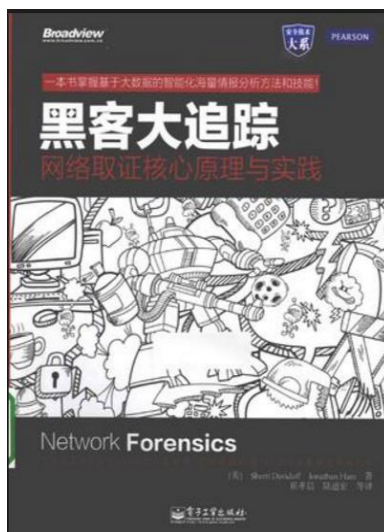
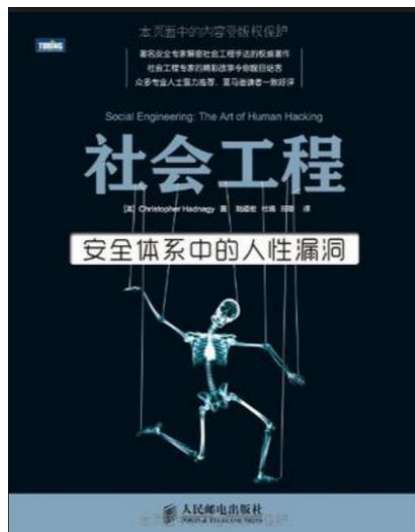
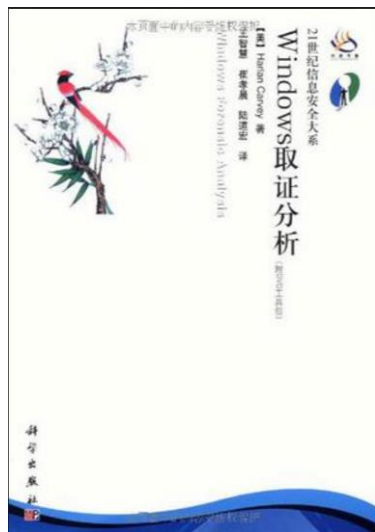
陆道宏

上海弘连网络科技有限公司

2016年7月14日



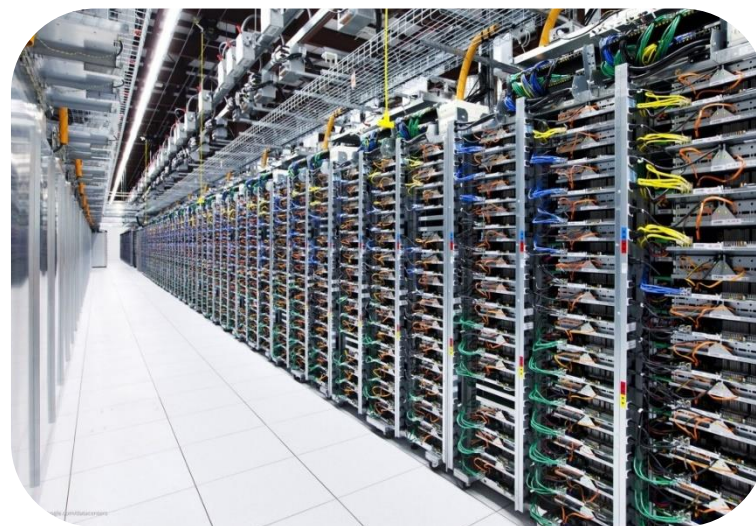
自我介绍



- 电子数据取证领域 15 年工作经验
- 参与设计/开发过一系列的工具体产品
- ldh@forensix.cn

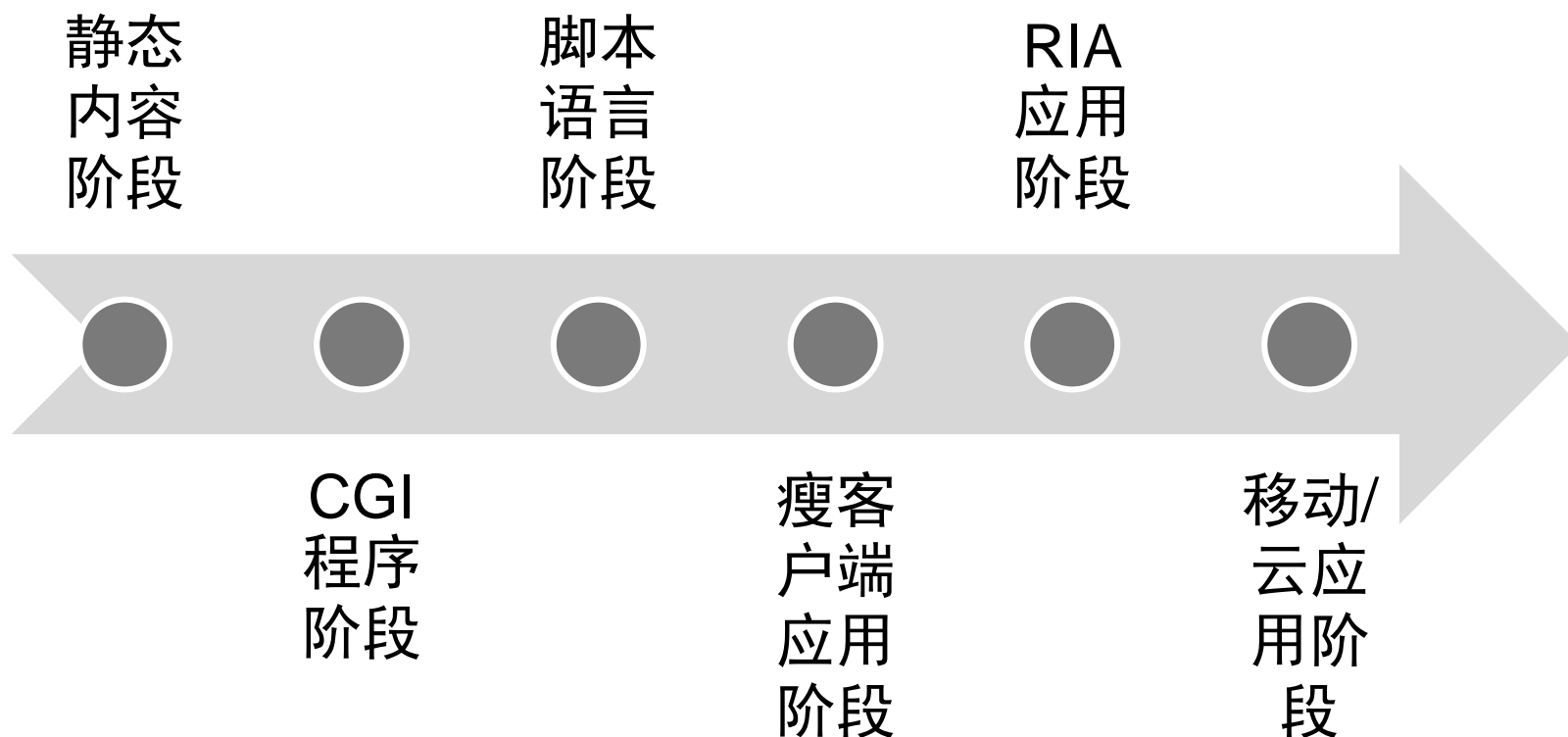


应用/网页取证



数据/主机取证

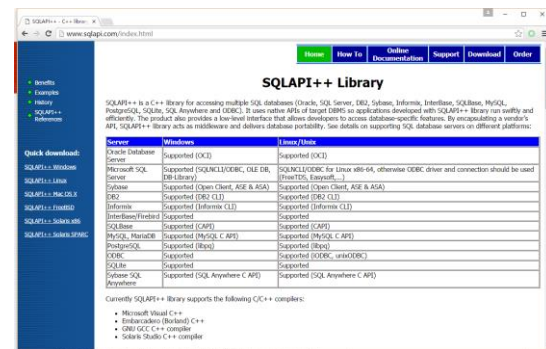
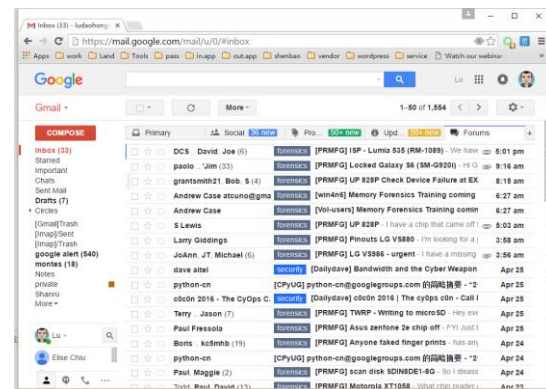
WEB 应用/网站的发展



前端渲染网站

后端渲染网站

静态网站



网页取证相关技术

URI

HTTP

HTML

MIME

Chrome /
JavaScript

Fiddler /
Charles

IP/DNS

Python /
Node

...

色情网站视频固定案例

```
for hashstr in furls.readlines():
    try:
        outUrl = str(i)

        uri = 'http://www.demo-site.tv/api.php#!u=' + hashstr
        outUrl = outUrl + ',' + uri
        req = urllib2.Request(uri)
        req.add_header('User-Agent', 'Mozilla/5.0 (Macintosh; Intel Mac OS X 10_6_8; rv:3.0) Gecko/20100101 Firefox/3.0')
        req.add_header('Referer', 'http://www.demo-site.tv/api.php')
        response = urllib2.urlopen(req, timeout=3)

        uri = 'http://www.demo-site.tv/play.php?class=api&key=' + hashstr
        outUrl = outUrl + ',' + uri
        req = urllib2.Request(uri)
        req.add_header('User-Agent', 'Mozilla/5.0 (Macintosh; Intel Mac OS X 10_6_8; rv:3.0) Gecko/20100101 Firefox/3.0')
        req.add_header('Referer', 'http://www.demo-site.tv/api.php')
        response = urllib2.urlopen(req, timeout=3)
        decryptUrl = ''
        html = response.read()
        decryptUrl = re.search("decrypt.php\?key=[^'.]*", html).group()
        title = ''
```

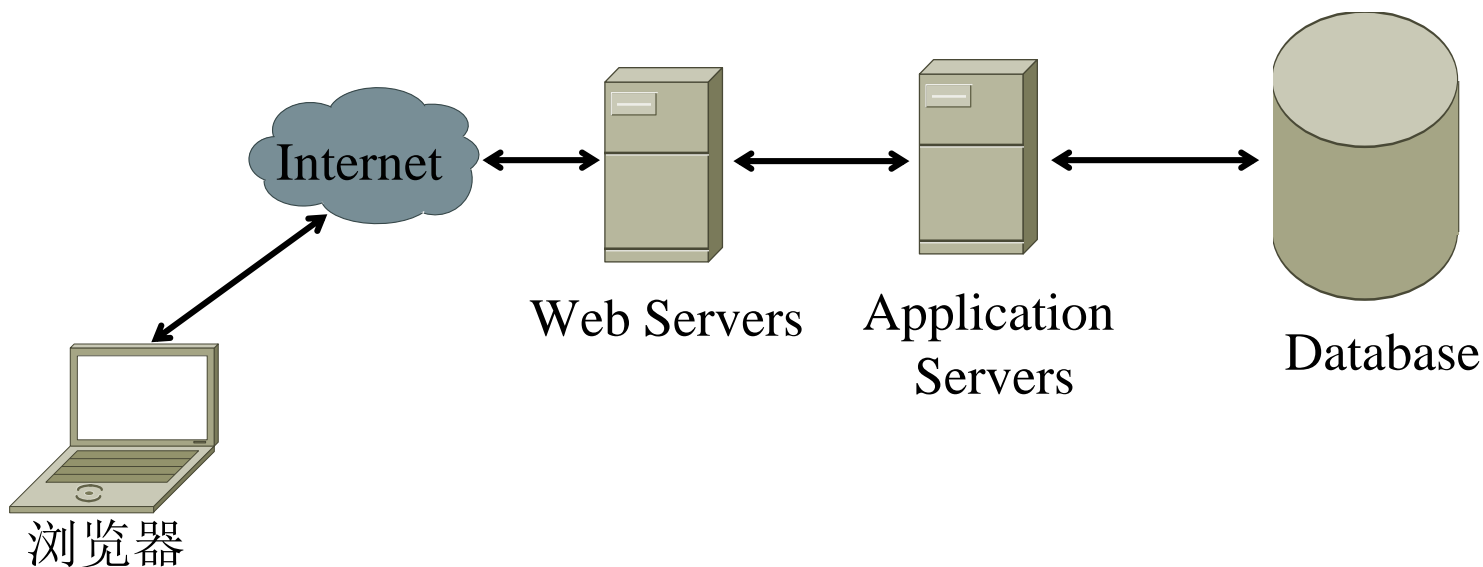
网站 / 数据库 / 日志 / 关联 / ...

配置

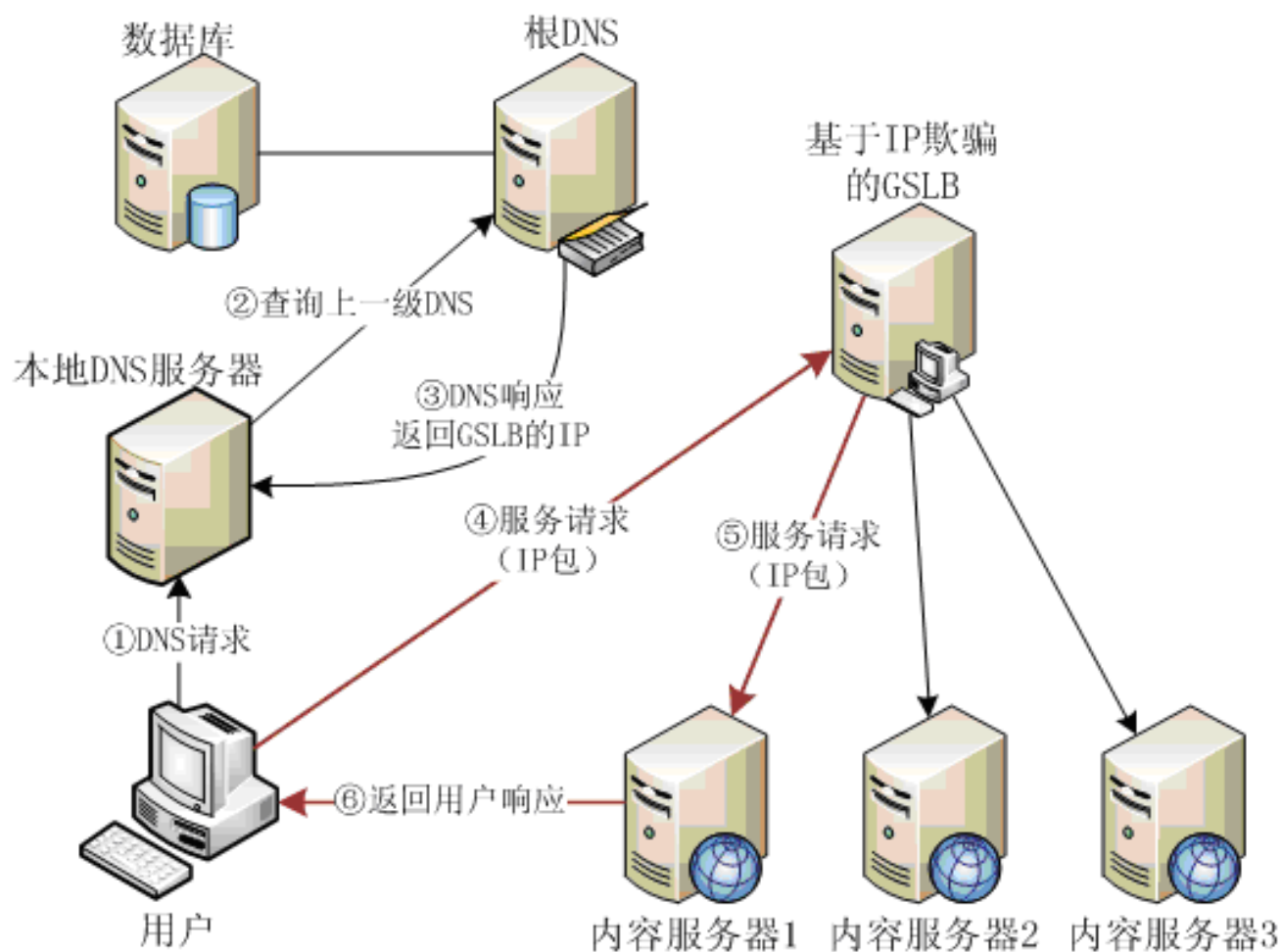
网站文件

日志

数据库



网站架构的复杂性



云服务模式和挑战

The screenshot displays the Alibaba Cloud website interface. At the top, there is a navigation bar with the Alibaba Cloud logo and various menu items: 最新活动, 产品, 解决方案, 云市场, 开发者社区, 服务与培训, 合作与生态, 大数据. A secondary navigation bar includes links for 管理控制台, 帮助与文档, 备案, 论坛, 万网, 手机APP, and 阿里邮箱. Below this is a main content area with a left sidebar for navigation (弹性计算, 数据库, 存储与CDN, etc.) and a central grid of product categories including 云服务器 ECS, E-MapReduce, 资源编排, 容器服务, and 高性能计算 HPC. A right sidebar lists '云市场相关产品' and '最新特性'. At the bottom, there are five promotional banners: 新手学堂, 新产品发布, 阿里云定价, 迅速上手OSS, and 架构师在线直播. A large central banner at the bottom reads '安全、稳定的云计算基础服务'. The footer contains a search bar and several category links like 数据库, 存储与CDN, and 云盾(安全).

网站/服务器取证技术

HTTP /
HTML/MIME

JavaScript /
AJAX

PHP/ASP/...

APACHE /
IIS

MSSQL /
MySQL

日志分析

Web 安全

CDN / Cloud

...

最近案例

```
String str4 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str4, null, arrayOfCallSite[5].callGroovyObjectGetProperty(this));
String str5 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str5, null, arrayOfCallSite[6].callGroovyObjectGetProperty(this), "username");
String str6 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str6, null, arrayOfCallSite[7].callGroovyObjectGetProperty(this), "password");

String str7 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str7, null, arrayOfCallSite[8].callGroovyObjectGetProperty(this), "partner");
String str8 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str8, null, arrayOfCallSite[9].callGroovyObjectGetProperty(this), "partnerSecurity");

String str9 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str9, null, arrayOfCallSite[10].callGroovyObjectGetProperty(this), "apple");
String str10 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str10, null, arrayOfCallSite[11].callGroovyObjectGetProperty(this), "apple");
String str11 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str11, null, arrayOfCallSite[12].callGroovyObjectGetProperty(this), "apple");

String str12 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str12, null, arrayOfCallSite[13].callGroovyObjectGetProperty(this), "accessid");
String str13 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str13, null, arrayOfCallSite[14].callGroovyObjectGetProperty(this), "accesskey");
String str14 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str14, null, arrayOfCallSite[15].callGroovyObjectGetProperty(this), "accesskey");
String str15 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str15, null, arrayOfCallSite[16].callGroovyObjectGetProperty(this), "accesskey");
String str16 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str16, null, arrayOfCallSite[17].callGroovyObjectGetProperty(this), "accesskey");
String str17 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str17, null, arrayOfCallSite[18].callGroovyObjectGetProperty(this), "accesskey");

String str18 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str18, null, arrayOfCallSite[19].callGroovyObjectGetProperty(this), "url");
String str19 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str19, null, arrayOfCallSite[20].callGroovyObjectGetProperty(this), "url");
String str20 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str20, null, arrayOfCallSite[21].callGroovyObjectGetProperty(this), "url");
String str21 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str21, null, arrayOfCallSite[22].callGroovyObjectGetProperty(this), "url");
String str22 = "http://www.occ.wljyuncs.com:8888";ScriptBytecodeAdapter.setProperty(str22, null, arrayOfCallSite[23].callGroovyObjectGetProperty(this), "url");
```

云数据库 Memcache

云数据库 Memcache 版 (ApsaraDB for Memcache) 是一种高性能、高可靠、可扩展的分布式系统Tail和纯内存的高性能存储，为热点数据访问提供高速响应，监控、迁移等方面的全套数据库解决方案。

[立即购买](#) [产品价格](#)

参与NOSQL产品调研，赢取阿里云优惠券

云数据库 RDS

云数据库RDS (ApsaraDB for RDS, 简称RDS) 是一种稳定可靠、弹性伸缩的在线数据库服务。基于分布式系统和全SSD盘高性能存储，支持MySQL、SQL Server、PostgreSQL和PPAS (高度兼容Oracle引擎)。数据库主备架构提供了容灾、备份、恢复、监控、迁移等方面的全套解决方案，彻底解决数据库运维的烦恼！

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[RDS享免费全量迁移服务 >>>](#)
[SQL Server 2012基础版免费公测 >>>](#)
[RDS独占物理机，资源专享，性能强劲，现在购买升级即送15%代金券！ >>>](#)

微信·公众平台 ^{Beta}

七牛·直播云

魅族、龙珠、熊猫TV、美拍等
千家直播平台的选择。

再小的个体，也有自己的品牌



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