<!DOCTYPE html>

<html lang="zh-CN">

<head>

<meta charset="utf-8">

<link rel="canonical" href="https://blog.csdn.net/weixin\_41948075/article/details/88625382"/>

<meta http-equiv="content-type" content="text/html; charset=utf-8">

<meta name="renderer" content="webkit"/>

<meta name="force-rendering" content="webkit"/>

<meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1"/>

<meta name="viewport" content="width=device-width, initial-scale=1.0, minimum-scale=1.0, maximum-scale=1.0, user-scalable=no">

<meta name="report" content='{"pid": "blog", "spm":"1001.2101"}'>

<meta name="referrer" content="always">

<meta http-equiv="Cache-Control" content="no-siteapp" /><link rel="alternate" media="handheld" href="#" />

<meta name="shenma-site-verification" content="5a59773ab8077d4a62bf469ab966a63b\_1497598848">

<meta name="applicable-device" content="pc">

<link href="https://g.csdnimg.cn/static/logo/favicon32.ico" rel="shortcut icon" type="image/x-icon" />

<title>软件测试常问面试题--计算机网络相关\_lucky多多的博客-CSDN博客\_软件测试网络协议面试题</title>

<script>

(function(){

var el = document.createElement("script");

el.src = "https://s3a.pstatp.com/toutiao/push.js?1abfa13dfe74d72d41d83c86d240de427e7cac50c51ead53b2e79d40c7952a23ed7716d05b4a0f683a653eab3e214672511de2457e74e99286eb2c33f4428830";

el.id = "ttzz";

var s = document.getElementsByTagName("script")[0];

s.parentNode.insertBefore(el, s);

})(window)

</script>

<meta name="keywords" content="软件测试网络协议面试题">

<meta name="csdn-baidu-search" content='{"autorun":true,"install":true,"keyword":"软件测试网络协议面试题"}'>

<meta name="description" content="笔试面试题1.简单描述DNS域名系统的工作原理当DNS客户机需要在程序中使用名称时，它会查询DNS服务器来解析该名称。客户机发送的每条查询信息包括3条信息：指定的DNS域名，指定的查询类型，DNS域名的指定类别。基于UDP服务，端口53.该应用一般不直接为用户使用，而是为其他应用服务，如HTTP,SMTP等，在其中需要完成主机名到IP地址的转换。2、TCP和UDP的区别3、ipconfig...">

<script src="//g.csdnimg.cn/tingyun/1.8.5/blog.js" type='text/javascript'></script>

<link rel="stylesheet" type="text/css" href="https://csdnimg.cn/release/blogv2/dist/pc/css/detail\_enter-b26964cef3.min.css">

<style>

#content\_views pre{user-select: none;}

#content\_views pre code{user-select: none;}

</style>

<link rel="stylesheet" type="text/css" href="https://csdnimg.cn/release/blogv2/dist/pc/themesSkin/skin-clickmove/skin-clickmove-a7dc9e1ee5.min.css">

<script src="https://csdnimg.cn/public/common/libs/jquery/jquery-1.9.1.min.js" type="text/javascript"></script>

<script type="text/javascript">

var isCorporate = false;//注释删除enterprise

var username = "weixin\_41948075";

var skinImg = "white";

var blog\_address = "https://blog.csdn.net/weixin\_41948075";

var currentUserName = "";

var isOwner = false;

var loginUrl = "http://passport.csdn.net/account/login?from=https://blog.csdn.net/weixin\_41948075/article/details/88625382";

var blogUrl = "https://blog.csdn.net/";

var avatar = "https://profile.csdnimg.cn/9/4/B/3\_weixin\_41948075";

var articleTitle = "软件测试常问面试题--计算机网络相关";

var articleDesc = "笔试面试题1.简单描述DNS域名系统的工作原理当DNS客户机需要在程序中使用名称时，它会查询DNS服务器来解析该名称。客户机发送的每条查询信息包括3条信息：指定的DNS域名，指定的查询类型，DNS域名的指定类别。基于UDP服务，端口53.该应用一般不直接为用户使用，而是为其他应用服务，如HTTP,SMTP等，在其中需要完成主机名到IP地址的转换。2、TCP和UDP的区别3、ipconfig...";

var articleTitles = "软件测试常问面试题--计算机网络相关\_lucky多多的博客-CSDN博客\_软件测试网络协议面试题";

var nickName = "lucky多多";

var articleDetailUrl = "https://blog.csdn.net/weixin\_41948075/article/details/88625382";

if(window.location.host.split('.').length == 3) {

blog\_address = blogUrl + username;

}

var skinStatus = "Black";

var blogStaticHost = "https://csdnimg.cn/release/blogv2/"

</script>

<meta name="toolbar" content='{"type":"1"}'>

<script>

window.csdn = window.csdn ? window.csdn : {};

window.csdn.toolbarIsBlack = true;

window.csdn.sideToolbar = {

options: {

theme : "black"

}

}

</script>

<script src="https://g.csdnimg.cn/??fixed-sidebar/1.1.6/fixed-sidebar.js" type="text/javascript"></script>

<script src='//g.csdnimg.cn/common/csdn-report/report.js' type='text/javascript'></script>

<link rel="stylesheet" type="text/css" href="https://csdnimg.cn/public/sandalstrap/1.4/css/sandalstrap.min.css">

<style>

.MathJax, .MathJax\_Message, .MathJax\_Preview{

display: none

}

</style>

<script src="https://dup.baidustatic.com/js/ds.js"></script>

</head>

<body class="nodata " style="">

<script>

var toolbarSearchExt = '{"landingWord":["软件测试网络协议面试题"],"queryWord":"","tag":["计算机网络","软件测试","面试题","TCP和UDP"],"title":"软件测试常问面试题--计算机网络相关"}';

</script>

<script src="https://g.csdnimg.cn/common/csdn-toolbar/csdn-toolbar.js" type="text/javascript"></script>

<script>

(function(){

var bp = document.createElement('script');

var curProtocol = window.location.protocol.split(':')[0];

if (curProtocol === 'https') {

bp.src = 'https://zz.bdstatic.com/linksubmit/push.js';

}

else {

bp.src = 'http://push.zhanzhang.baidu.com/push.js';

}

var s = document.getElementsByTagName("script")[0];

s.parentNode.insertBefore(bp, s);

})();

</script>

<link rel="stylesheet" href="https://csdnimg.cn/release/blogv2/dist/pc/css/blog\_code-01256533b5.min.css">

<link rel="stylesheet" href="https://csdnimg.cn/release/blogv2/dist/mdeditor/css/editerView/chart-3456820cac.css" />

<div class="main\_father clearfix d-flex justify-content-center" style="height:100%;">

<div class="container clearfix" id="mainBox">

<main>

<script type="text/javascript">

function getQueryString(name) {

var reg = new RegExp("(^|&)" + name + "=([^&]\*)(&|$)"); //构造一个含有目标参数的正则表达式对象

var r = window.location.search.substr(1).match(reg); //匹配目标参数

if( r != null ) return decodeURIComponent( r[2] ); return '';

}

function stripscript(s){

var pattern = new RegExp("[`~!@#$^&\*()=|{}':;',\\[\\].<>/?~！@#￥……&\*（）——|{}【】‘；：”“'。，、？%]")

var rs = "";

for (var i = 0; i < s.length; i++) {

rs = rs+s.substr(i, 1).replace(pattern, '');

}

return rs;

}

var blogHotWords = stripscript(getQueryString('utm\_term')).length > 1 ? stripscript(getQueryString('utm\_term')) : ''

</script>

<div class="blog-content-box">

<div class="article-header-box">

<div class="article-header">

<div class="article-title-box">

<h1 class="title-article" id="articleContentId">软件测试常问面试题--计算机网络相关</h1>

</div>

<div class="article-info-box">

<div class="article-bar-top">

<img class="article-type-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/original.png" alt="">

<div class="bar-content">

<a class="follow-nickName " href="https://blog.csdn.net/weixin\_41948075" target="\_blank" rel="noopener">lucky多多</a>

<span class="time">2019-04-11 23:01:12</span>

<img class="article-read-img article-heard-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/articleReadEyes.png" alt="">

<span class="read-count">5989</span>

<a id="blog\_detail\_zk\_collection" class="un-collection" data-report-click='{"mod":"popu\_823","spm":"1001.2101.3001.4232","ab":"new"}'>

<img class="article-collect-img article-heard-img un-collect-status isdefault" style="display:inline-block" src="https://csdnimg.cn/release/blogv2/dist/pc/img/tobarCollect.png" alt="">

<img class="article-collect-img article-heard-img collect-status isactive" style="display:none" src="https://csdnimg.cn/release/blogv2/dist/pc/img/tobarCollectionActive.png" alt="">

<span class="name">收藏</span>

<span class="get-collection">

123

</span>

</a>

</div>

</div>

<div class="blog-tags-box">

<div class="tags-box artic-tag-box">

<span class="label">分类专栏：</span>

<a class="tag-link" href="https://blog.csdn.net/weixin\_41948075/category\_8715530.html" target="\_blank" rel="noopener"># 软件测试面试题</a>

<a class="tag-link" href="https://blog.csdn.net/weixin\_41948075/category\_8714921.html" target="\_blank" rel="noopener">软件测试</a>

<span class="label">文章标签：</span>

<a data-report-click='{"mod":"popu\_626","spm":"1001.2101.3001.4223","strategy":"计算机网络","ab":"new"}' class="tag-link" href="https://www.csdn.net/tags/MtTacg1sNjA5My1ibG9n.html" target="\_blank" rel="noopener">计算机网络</a>

<a data-report-click='{"mod":"popu\_626","spm":"1001.2101.3001.4223","strategy":"软件测试","ab":"new"}' class="tag-link" href="https://www.csdn.net/tags/MtTagg3sODM2My1ibG9n.html" target="\_blank" rel="noopener">软件测试</a>

<a data-report-click='{"mod":"popu\_626","spm":"1001.2101.3001.4223","strategy":"面试题","ab":"new"}' class="tag-link" href="https://www.csdn.net/tags/MtTaEg0sMDE0OTgtYmxvZwO0O0OO0O0O.html" target="\_blank" rel="noopener">面试题</a>

<a data-report-click='{"mod":"popu\_626","spm":"1001.2101.3001.4223","strategy":"TCP和UDP","ab":"new"}' class="tag-link" href="https://www.csdn.net/tags/MtTaEg0sMDY1OTgtYmxvZwO0O0OO0O0O.html" target="\_blank" rel="noopener">TCP和UDP</a>

</div>

</div>

<div class="slide-content-box">

<div class="article-copyright">

<div class="creativecommons">

版权声明：本文为博主原创文章，遵循<a href="http://creativecommons.org/licenses/by-sa/4.0/" target="\_blank" rel="noopener"> CC 4.0 BY-SA </a>版权协议，转载请附上原文出处链接和本声明。

</div>

<div class="article-source-link">

本文链接：<a href="https://blog.csdn.net/weixin\_41948075/article/details/88625382" target="\_blank">https://blog.csdn.net/weixin\_41948075/article/details/88625382</a>

</div>

</div>

</div>

<div class="operating">

<a class="href-article-edit slide-toggle">版权</a>

</div>

</div>

</div>

</div>

<div id="blogColumnPayAdvert">

<div class="column-group">

<div class="column-group-item column-group0 ">

<div class="item-l">

<a class="item-target" href="https://blog.csdn.net/weixin\_41948075/category\_8715530.html" target="\_blank" title="软件测试面试题"

data-report-view='{"spm":"1001.2101.3001.6332"}'

data-report-click='{"spm":"1001.2101.3001.6332"}'>

<img class="item-target" src="https://img-blog.csdnimg.cn/20191007100453222.png?x-oss-process=image/resize,m\_fixed,h\_224,w\_224" alt="">

<span class="title item-target">软件测试面试题</span>

</a>

<span class="dec more">同时被 2 个专栏收录<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/newArrowDown1Black.png" alt=""></span>

</div>

<div class="item-m">

<span>6 篇文章</span>

<span>4 订阅</span>

</div>

<div class="item-r">

<a class="item-target article-column-bt articleColumnFreeBt" data-id="8715530">订阅专栏</a>

</div>

</div>

<div class="column-group-item column-group1 ">

<div class="item-l">

<a class="item-target" href="https://blog.csdn.net/weixin\_41948075/category\_8714921.html" target="\_blank" title="软件测试"

data-report-view='{"spm":"1001.2101.3001.6332"}'

data-report-click='{"spm":"1001.2101.3001.6332"}'>

<img class="item-target" src="https://img-blog.csdnimg.cn/20191007100230268.png?x-oss-process=image/resize,m\_fixed,h\_224,w\_224" alt="">

<span class="title item-target">软件测试</span>

</a>

</div>

<div class="item-m">

<span>27 篇文章</span>

<span>18 订阅</span>

</div>

<div class="item-r">

<a class="item-target article-column-bt articleColumnFreeBt" data-id="8714921">订阅专栏</a>

</div>

</div>

</div>

</div>

<article class="baidu\_pl">

<div id="article\_content" class="article\_content clearfix">

<link rel="stylesheet" href="https://csdnimg.cn/release/blogv2/dist/mdeditor/css/editerView/ck\_htmledit\_views-1a85854398.css">

<div id="content\_views" class="markdown\_views prism-tomorrow-night">

<svg xmlns="http://www.w3.org/2000/svg" style="display: none;">

<path stroke-linecap="round" d="M5,0 0,2.5 5,5z" id="raphael-marker-block" style="-webkit-tap-highlight-color: rgba(0, 0, 0, 0);"></path>

</svg>

<p></p>

<div class="toc">

<h3>软件测试常问面试题-计算机网络相关</h3>

<ul><li><a href="#font\_color%09RoyalBlue\_1\_TCPUDPfont\_5"><font color="RoyalBlue"> 1. TCP和UDP的区别</font></a></li><li><a href="#font\_colorRoyalBlue2\_TCPUDPfont\_11"><font color="RoyalBlue">2. TCP和UDP分别对应的常见应用层协议？</font></a></li><li><ul><li><a href="#font\_colorRoyalBlue21\_TCPfont\_14"><font color="RoyalBlue">2.1 TCP对应的应用层协议</font></a></li><li><a href="#font\_colorRoyalBlue22\_UDPfont\_26"><font color="RoyalBlue">2.2 UDP对应的应用层协议</font></a></li></ul>

</li><li><a href="#font\_colorRoyalBlue3\_TCPfont\_39"><font color="RoyalBlue">3. TCP协议如何来保证传输的可靠性</font></a></li><li><a href="#font\_colorRoyalBlue4\_IPTCPUDPfont\_57"><font color="RoyalBlue">4. 解释一下IP的定义，在哪个层上？主要作用是？TCP与UDP呢？</font></a></li><li><a href="#font\_colorRoyalBlue5\_IPfont\_63"><font color="RoyalBlue">5. IP地址的分类</font></a></li><li><a href="#font\_colorRoyalBlue6\_OSITCPIPfont\_77"><font color="RoyalBlue">6. 分别写出OSI、TCP/IP及五层协议的体系结构</font></a></li><li><ul><li><a href="#font\_colorRoyalBlue61\_OSIfont\_87"><font color="RoyalBlue">6.1 OSI每一层对应的协议</font></a></li><li><a href="#font\_colorRoyalBlue62\_OSIfont\_100"><font color="RoyalBlue">6.2 OSI每一层的作用</font></a></li></ul>

</li><li><a href="#font\_colorRoyalBlue7\_font\_119"><font color="RoyalBlue">7. 对称加密与非对称加密</font></a></li><li><a href="#font\_colorRoyalBlue8\_GetPOSTfont\_125"><font color="RoyalBlue">8. Get与POST的区别</font></a></li><li><a href="#font\_colorRoyalBlue9\_ipconfignetstatfont\_132"><font color="RoyalBlue">9. ipconfig和netstat的作用？</font></a></li><li><a href="#font\_colorRoyalBlue10\_pingfont\_139"><font color="RoyalBlue">10. 两台笔记本连起来后ping不同，可能是哪些原因？</font></a></li><li><a href="#font\_colorRoyalBlue11\_net\_sharefont\_147"><font color="RoyalBlue">11. 运行net share返回结果是什么?</font></a></li><li><a href="#font\_colorRoyalBlue12\_net\_usenet\_user\_font\_151"><font color="RoyalBlue">12. net use和net user 分别指什么？</font></a></li><li><a href="#font\_colorRoyalBlue13\_VLAN\_156"><font color="RoyalBlue">13. 交换和路由的区别是什么，VLAN有什么特点？</font></a></li><li><a href="#font\_colorRoyalBlue14\_DNSfont\_164"><font color="RoyalBlue">14. 简单描述DNS域名系统的工作原理</font></a></li><li><a href="#font\_colorRoyalBlue15\_OSIfont\_168"><font color="RoyalBlue">15. 提供可靠数据流传输控制的是OSI的第几层？</font></a></li><li><a href="#font\_colorRoyalBlue16\_wwwbaiducomfont\_173"><font color="RoyalBlue">16. 在浏览器中输入www.baidu.com后执行的全部过程</font></a></li><li><a href="#font\_colorRoyalBlue17\_ARPfont\_182"><font color="RoyalBlue">17. ARP是地址解析协议，简单解释一下工作原理？</font></a></li></ul>

</div>

<p></p>

<p><span class="katex--display"><span class="katex-display"><span class="katex"><span class="katex-mathml">

\color{red}{\heartsuit}

</span><span class="katex-html"><span class="base"><span class="strut" style="height: 0.82407em; vertical-align: -0.12963em;"></span><span class="mord" style="color: red;"><span class="mord" style="color: red;"></span></span></span></span></span></span></span></p>

<h1><a id="font\_color%09RoyalBlue\_1\_TCPUDPfont\_5"></a><font color="RoyalBlue"> 1. TCP和UDP的区别</font></h1>

<ul><li>TCP提供面向连接的、可靠的数据流传输，而UDP提供的是非面向连接的、不可靠的数据流传输；</li><li>TCP传输单位称为TCP报文段，UDP传输单位称为用户数据报；</li><li>TCP注重数据安全性，UDP数据传输快，因为不需要连接等待，少了许多操作，但是其安全性却一般。</li></ul>

<h1><a id="font\_colorRoyalBlue2\_TCPUDPfont\_11"></a><font color="RoyalBlue">2. TCP和UDP分别对应的常见应用层协议？</font></h1>

<h2><a id="font\_colorRoyalBlue21\_TCPfont\_14"></a><font color="RoyalBlue">2.1 TCP对应的应用层协议</font></h2>

<p><font color="#7744cc">FTP</font>：定义了文件传输协议，使用21端口。常说某某计算机开了FTP服务便是启动了文件传输服务。下载文件，上传主页，都要用到FTP服务。</p>

<p><font color="purple">Telnet</font>：它是一种用于远程登陆的端口，用户可以以自己的身份远程连接到计算机上，通过这种端口可以提供一种基于DOS模式下的通信服务。如以前的BBS是-纯字符界面的，支持BBS的服务器将23端口打开，对外提供服务。</p>

<p><font color="pink">SMTP</font>：定义了简单邮件传送协议，现在很多邮件服务器都用的是这个协议，用于发送邮件。如常见的免费邮件服务中用的就是这个邮件服务端口，所以在电子邮件设置-中常看到有这么SMTP端口设置这个栏，服务器开放的是25号端口。</p>

<p><font color="violet">POP3</font>：它是和SMTP对应，POP3用于接收邮件。通常情况下，POP3协议所用的是110端口。也是说，只要你有相应的使用POP3协议的程序（例如Fo-xmail或Outlook），就可以不以Web方式登陆进邮箱界面，直接用邮件程序就可以收到邮件（如是163邮箱就没有必要先进入网易网站，再进入自己的邮-箱来收信）。</p>

<p><font color="CornflowerBlue">HTTP</font>：从Web服务器传输超文本到本地浏览器的传送协议。</p>

<h2><a id="font\_colorRoyalBlue22\_UDPfont\_26"></a><font color="RoyalBlue">2.2 UDP对应的应用层协议</font></h2>

<p><font color="OrangeRed">DNS</font>：用于域名解析服务，将域名地址转换为IP地址。DNS用的是53号端口。</p>

<p><font color="DodgerBlue">SNMP</font>：简单网络管理协议，使用161号端口，是用来管理网络设备的。由于网络设备很多，无连接的服务就体现出其优势。</p>

<p><font color="LightPink">TFTP</font>(Trival File Transfer Protocal)：简单文件传输协议，该协议在熟知端口69上使用UDP服务。</p>

<p><img src="https://img-blog.csdnimg.cn/20200613173749459.png?x-oss-process=image/watermark,type\_ZmFuZ3poZW5naGVpdGk,shadow\_10,text\_aHR0cHM6Ly9ibG9nLmNzZG4ubmV0L3dlaXhpbl80MTk0ODA3NQ==,size\_16,color\_FFFFFF,t\_70" alt="TCP、UDP协议" /><br /> 各协议对应的端口号<br /> <img src="https://img-blog.csdnimg.cn/20200613185947268.png" alt="在这里插入图片描述" /><br /> 摘自<a href="https://blog.csdn.net/Oeljeklaus/article/details/80533028?utm\_medium=distribute.pc\_relevant.none-task-blog-BlogCommendFromMachineLearnPai2-1.nonecase&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-BlogCommendFromMachineLearnPai2-1.nonecase">计算机网络(面试必备知识点)</a></p>

<h1><a id="font\_colorRoyalBlue3\_TCPfont\_39"></a><font color="RoyalBlue">3. TCP协议如何来保证传输的可靠性</font></h1>

<p>TCP提供一种面向连接的、可靠的字节流服务。其中，面向连接意味着两个使用TCP的应用（通常是一个客户和一个服务器）在彼此交换数据之前必须先建立一个TCP连接。在一个TCP连接中，仅有两方进行彼此通信；而字节流服务意味着两个应用程序通过TCP链接交换8bit字节构成的字节流，TCP不在字节流中插入记录标识符。</p>

<p>对于可靠性，TCP通过以下方式进行保证：</p>

<p><font color="violet">数据包校验</font>：目的是检测数据在传输过程中的任何变化，若校验出包有错，则丢弃报文段并且不给出响应，这时TCP发送数据超时后会重发数据；</p>

<p><font color="violet">对失序数据包重排序</font>：既然TCP报文段作为IP数据报来传输，而IP数据报的到达可能会失序，因此TCP报文段的到达也可能会失序。TCP将对失序数据进行重新排序，然后才交给应用层；</p>

<p><font color="violet">丢弃重复数据</font>：对于重复数据，能够丢弃重复数据；</p>

<p><font color="violet">应答机制</font>：当TCP收到发自TCP连接另一端的数据，它将发送一个确认。这个确认不是立即发送，通常将推迟几分之一秒；</p>

<p><font color="violet">超时重发</font>：当TCP发出一个段后，它启动一个定时器，等待目的端确认收到这个报文段。如果不能及时收到一个确认，将重发这个报文段；</p>

<p><font color="violet">流量控制</font>：TCP连接的每一方都有固定大小的缓冲空间。TCP的接收端只允许另一端发送接收端缓冲区所能接纳的数据，这可以防止较快主机致使较慢主机的缓冲区溢出，这就是流量控制。TCP使用的流量控制协议是可变大小的滑动窗口协议。</p>

<h1><a id="font\_colorRoyalBlue4\_IPTCPUDPfont\_57"></a><font color="RoyalBlue">4. 解释一下IP的定义，在哪个层上？主要作用是？TCP与UDP呢？</font></h1>

<ul><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" disabled="disabled" /> IP是 Internet protocol 的缩写，是<font color="DarkOrange">网络层</font>的主要协议，作用是提供不可靠、无连接的数据包传输协传送。</li><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" disabled="disabled" /> TCP是 Transmit Control Protocol（传输控制协议），在<font color="DarkOrange">传输层</font>，TCP提供一种面向连接的、可靠地字节流服务。</li><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" disabled="disabled" /> UDP是 User Datagram Protocol（用户数据报协议），在<font color="DarkOrange">传输层</font>，UDP提供不可靠的传输控制数据服务。</li></ul>

<h1><a id="font\_colorRoyalBlue5\_IPfont\_63"></a><font color="RoyalBlue">5. IP地址的分类</font></h1>

<p>IP地址是指互联网协议地址，是IP协议提供的一种统一的地址格式，它为互联网上的每一个网络和每一台主机分配一个逻辑地址，以此来屏蔽物理地址的差异。IP地址编址方案将IP地址空间划分为A、B、C、D、E五类，其中A、B、C是基本类，D、E类作为多播和保留使用，为特殊地址。<br /> 　　<br /> 每个IP地址包括两个标识码（ID），即网络ID和主机ID。同一个物理网络上的所有主机都使用同一个网络ID，网络上的一个主机（包括网络上工作站，服务器和路由器等）有一个主机ID与其对应。A~E类地址的特点如下：</p>

<ul><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" checked="true" disabled="disabled" /> A类地址：以0开头，第一个字节范围：0~127；</li><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" checked="true" disabled="disabled" /> B类地址：以10开头，第一个字节范围：128~191；</li><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" checked="true" disabled="disabled" /> C类地址：以110开头，第一个字节范围：192~223；</li><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" checked="true" disabled="disabled" /> D类地址：以1110开头，第一个字节范围为224~239；</li><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" checked="true" disabled="disabled" /> E类地址：以1111开头，保留地址</li></ul>

<p><img src="https://img-blog.csdnimg.cn/20200613162903722.png?x-oss-process=image/watermark,type\_ZmFuZ3poZW5naGVpdGk,shadow\_10,text\_aHR0cHM6Ly9ibG9nLmNzZG4ubmV0L3dlaXhpbl80MTk0ODA3NQ==,size\_16,color\_FFFFFF,t\_70" alt="在这里插入图片描述" /></p>

<h1><a id="font\_colorRoyalBlue6\_OSITCPIPfont\_77"></a><font color="RoyalBlue">6. 分别写出OSI、TCP/IP及五层协议的体系结构</font></h1>

<p>从上至下</p>

<p>OSI：应用层、表示层、会话层、传输层、网络层、数据链路层、物理层；</p>

<p>TCP/IP：应用层、运输层、网际层、网络接口层；</p>

<p>五层协议：应用层、运输层、网络层、数据链路层、物理层；<br /> <img src="https://img-blog.csdnimg.cn/20200613163747820.png?x-oss-process=image/watermark,type\_ZmFuZ3poZW5naGVpdGk,shadow\_10,text\_aHR0cHM6Ly9ibG9nLmNzZG4ubmV0L3dlaXhpbl80MTk0ODA3NQ==,size\_16,color\_FFFFFF,t\_70" alt="在这里插入图片描述" /></p>

<h2><a id="font\_colorRoyalBlue61\_OSIfont\_87"></a><font color="RoyalBlue">6.1 OSI每一层对应的协议</font></h2>

<table><thead><tr><th>体系</th><th align="left">协议</th></tr></thead><tbody><tr><td>物理层</td><td align="left">RJ45、CLOCK、IEEE802.3 （中继器，集线器）</td></tr><tr><td>数据链路</td><td align="left">PPP、FR、HDLC、VLAN、MAC（网桥，交换机）</td></tr><tr><td>网络层</td><td align="left">IP、ICMP、ARP、RARP、OSPF、IPX、RIP、IGRP、（路由器）</td></tr><tr><td>传输层</td><td align="left">TCP、UDP、SPX</td></tr><tr><td>会话层</td><td align="left">NFS、SQL、NETBIOS、RPC</td></tr><tr><td>表示层</td><td align="left">JPEG、MPEG、ASII</td></tr><tr><td>应用层</td><td align="left">FTP、DNS、Telnet、SMTP、HTTP、WWW、NFS</td></tr></tbody></table>

<h2><a id="font\_colorRoyalBlue62\_OSIfont\_100"></a><font color="RoyalBlue">6.2 OSI每一层的作用</font></h2>

<table><thead><tr><th>体系</th><th align="left">作用</th></tr></thead><tbody><tr><td>物理层</td><td align="left">通过媒介传输比特,确定机械及电气规范（比特Bit）</td></tr><tr><td>数据链路层</td><td align="left">将比特组装成帧和点到点的传递（帧Frame）</td></tr><tr><td>网络层</td><td align="left">负责数据包从源到宿的传递和网际互连（包PackeT）</td></tr><tr><td>传输层</td><td align="left">提供端到端的可靠报文传递和错误恢复（段Segment）</td></tr><tr><td>会话层</td><td align="left">建立、管理和终止会话（会话协议数据单元SPDU）</td></tr><tr><td>表示层</td><td align="left">对数据进行翻译、加密和压缩（表示协议数据单元PPDU）</td></tr><tr><td>应用层</td><td align="left">允许访问OSI环境的手段（应用协议数据单元APDU）</td></tr></tbody></table>

<p><strong>拓展</strong>：</p>

<p><font color="Salmon">网关的定义：一个链接两种不同协议簇的进程，为某一个特定的应用提供服务。</font></p>

<p>在TCP/IP协议簇中，IP层使用不可靠的服务，TCP提供可靠的服务，为了提供可靠到的服务，TCP采用了超时重传，发送和接收端到端的确认分组机制。</p>

<p>网桥是在数据链路层对网络进行互联的，路由器是在网络层对网络进行互联的。</p>

<h1><a id="font\_colorRoyalBlue7\_font\_119"></a><font color="RoyalBlue">7. 对称加密与非对称加密</font></h1>

<p>对称密钥加密是指加密和解密使用同一个密钥的方式，这种方式存在的最大问题就是密钥发送问题，即如何安全地将密钥发给对方；而非对称加密是指使用一对非对称密钥，即公钥和私钥，公钥可以随意发布，但私钥只有自己知道。发送密文的一方使用对方的公钥进行加密处理，对方接收到加密信息后，使用自己的私钥进行解密。</p>

<p>由于非对称加密的方式不需要发送用来解密的私钥，所以可以保证安全性；但是和对称加密比起来，它非常的慢，所以我们还是要用对称加密来传送消息，但对称加密所使用的密钥我们可以通过非对称加密的方式发送出去。</p>

<h1><a id="font\_colorRoyalBlue8\_GetPOSTfont\_125"></a><font color="RoyalBlue">8. Get与POST的区别</font></h1>

<ul><li>GET提交的数据会放在URL之后，以?分割URL和传输数据，参数之间以&相连，如EditPosts.aspx?name=test1&id=123456. POST方法是把提交的数据放在HTTP包的Body中。</li><li>GET提交的数据大小有限制（因为浏览器对URL的长度有限制），而POST方法提交的数据没有限制。</li><li>GET方式需要使用Request.QueryString来取得变量的值，而POST方式通过Request.Form来获取变量的值。</li><li>GET方式提交数据，会带来安全问题，比如一个登录页面，通过GET方式提交数据时，用户名和密码将出现在URL上，如果页面可以被缓存或者其他人可以访问这台机器，就可以从历史记录获得该用户的账号和密码。</li></ul>

<h1><a id="font\_colorRoyalBlue9\_ipconfignetstatfont\_132"></a><font color="RoyalBlue">9. ipconfig和netstat的作用？</font></h1>

<p>显示当前TCP/IP配置的信息，帮助用户查看网络状况，可以看到很多网络信息，比如延迟，IP，主机信息，物理地址信息等。</p>

<p>netstat<br /> netstat主要用于提供系统的接口命令。可以使用相关参数打印出每一个接口的MTU、输入分组数、输入错误、冲突以及当前的输出队列长度。</p>

<h1><a id="font\_colorRoyalBlue10\_pingfont\_139"></a><font color="RoyalBlue">10. 两台笔记本连起来后ping不同，可能是哪些原因？</font></h1>

<ol><li>网线问题。确认网线连接是否正确，电脑之间连的线和电脑与USB之间连的线分正线、反线，是不同的。但是对于使用千兆网卡的除外，千兆位网卡有自动识别功课，既可以是正线也可以是反线。</li><li>局域网设置问题。电脑互连是要设置的，看看是否安装了必要的网络协议，最重要的是，IP地址是否设置正确，互联的时候最好一台电脑为正，一台电脑为副，为主的设为网关。</li><li>网卡驱动未正确安装</li><li>防火墙设置有问题</li><li>是否有什么软件阻止ping包</li></ol>

<h1><a id="font\_colorRoyalBlue11\_net\_sharefont\_147"></a><font color="RoyalBlue">11. 运行net share返回结果是什么?</font></h1>

<p>显示本地计算机上所有共享资源相关信息。如果加上参数 ShareName ，则仅显示有关该共享的信息。</p>

<h1><a id="font\_colorRoyalBlue12\_net\_usenet\_user\_font\_151"></a><font color="RoyalBlue">12. net use和net user 分别指什么？</font></h1>

<ul><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" checked="true" disabled="disabled" /> net use是对用户进行管理，如添加、删除网络使用用户等。</li><li class="task-list-item"><input type="checkbox" class="task-list-item-checkbox" checked="true" disabled="disabled" /> net user 是对网络设备进行管理</li></ul>

<h1><a id="font\_colorRoyalBlue13\_VLAN\_156"></a><font color="RoyalBlue">13. 交换和路由的区别是什么，VLAN有什么特点？</font></h1>

<ul><li>交换机是指转发和过滤帧，是交换机的工作，它在OSI参考模型的第二层。</li><li>而路由器是指网络线路当中非直连的链路，它是路由器的工作，在OSI参考模型的第三层。</li><li>交换和路由的区别很大。首先，交换是不需要IP的，而路由需要，因为IP就是第三层的协议，第二层需要的是MAC地址；再有，第二层可以做NAT、ACL、QOS等。</li><li>VLAN是虚拟局域网络的英文缩写，它是一个纯二层的技术，它的特点有三个：控制广播，安全，灵活性和可扩展性。</li></ul>

<h1><a id="font\_colorRoyalBlue14\_DNSfont\_164"></a><font color="RoyalBlue">14. 简单描述DNS域名系统的工作原理</font></h1>

<p>当DNS客户机需要在程序中使用名称时，它会查询DNS服务器来解析该名称。客户机发送的每条查询信息包括3条信息：指定的DNS域名，指定的查询类型，DNS域名的指定类别。基于UDP服务，端口53.该应用一般不直接为用户使用，而是为其他应用服务，如HTTP,SMTP等，在其中需要完成主机名到IP地址的转换。</p>

<h1><a id="font\_colorRoyalBlue15\_OSIfont\_168"></a><font color="RoyalBlue">15. 提供可靠数据流传输控制的是OSI的第几层？</font></h1>

<p>会话层</p>

<p>还有其他相关的面试题请<a href="https://blog.csdn.net/weixin\_41948075/article/details/88077522">你不可不会的软件测试经典面试题</a>，HTTP协议也是常问的<a href="https://blog.csdn.net/weixin\_41948075/article/details/85926445">HTTP协议详细介绍</a></p>

<h1><a id="font\_colorRoyalBlue16\_wwwbaiducomfont\_173"></a><font color="RoyalBlue">16. 在浏览器中输入www.baidu.com后执行的全部过程</font></h1>

<p>1、客户端浏览器通过DNS解析到www.baidu.com的IP地址220.181.27.48，通过该IP地址找到客户端到服务器的路径。客户端浏览器发起一个HTTP会话到220.181.27.48，通过TCP进行封装数据包，输入到网络层。</p>

<p>2、在客户端的传输层，把HTTP会话请求分成报文段，添加源和目的端口，如服务器使用80端口监听客户端的请求，客户端由系统随机选择一个端口如5000，与服务器进行交换，服务器把相应的请求返回给客户端的5000端口，然后使用IP层的IP地址查找目的端。</p>

<p>3、客户端的网络层不用关心应用层或者传输层的东西，主要做的是通过查找路由表确定如何到达服务器，期间可能经过多个路由器，这些都是由路由器来完成的工作，通过查找路由表决定通过过哪个路径到达服务器。</p>

<p>4、客户端的链路层，包通过链路层发送到路由器，通过邻居协议查找给定IP地址的MAC地址，然后发送ARP请求查找目的地址，如果得到回应后就可以使用ARP的请求应答交换的IP数据包现在就可以传输了，然后发送IP数据包到达服务器的地址。</p>

<h1><a id="font\_colorRoyalBlue17\_ARPfont\_182"></a><font color="RoyalBlue">17. ARP是地址解析协议，简单解释一下工作原理？</font></h1>

<ol><li>首先，每个主机都会在自己的ARP缓冲区中建立一个ARP列表，以表示IP地址和MAC地址之间的对应关系。</li><li>当源主机要发送数据时，首先检查ARP列表中是否有对应IP地址的目的主机的MAC地址，如果有，则直接发送数据，如果没有，就向本网段的所有主机发送ARP数据包，该数据包包括的内容有：源主机 IP地址，源主机MAC地址，目的主机的IP 地址。</li><li>当本网络的所有主机收到该ARP数据包时，首先检查数据包中的IP地址是否是自己的IP地址，如果不是，则忽略该数据包，如果是，则首先从数据包中取出源主机的IP和MAC地址写入到ARP列表中，如果已经存在，则覆盖，然后将自己的MAC地址写入ARP响应包中，告诉源主机自己是它想要找的MAC地址。</li><li>源主机收到ARP响应包后。将目的主机的IP和MAC地址写入ARP列表，并利用此信息发送数据。如果源主机一直没有收到ARP响应数据包，表示ARP查询失败。广播发送ARP请求，单播发送ARP响应。</li></ol>

</div>

<link href="https://csdnimg.cn/release/blogv2/dist/mdeditor/css/editerView/markdown\_views-d7a94ec6ab.css" rel="stylesheet">

<link href="https://csdnimg.cn/release/blogv2/dist/mdeditor/css/style-49037e4d27.css" rel="stylesheet">

</div>

</article>

</div>

<div class="more-toolbox-new" id="toolBarBox">

<div class="left-toolbox">

<div class="toolbox-left">

<div class="profile-box"><a class="profile-href" target="\_blank" href="https://blog.csdn.net/weixin\_41948075"><img class="profile-img" src="https://profile.csdnimg.cn/9/4/B/3\_weixin\_41948075"><span class="profile-name">lucky多多</span></a></div>

<div class="profile-attend">

<a class="tool-attend tool-bt-button tool-bt-attend" href="javascript:;" data-report-view='{"mod":"1592215036\_002","spm":"1001.2101.3001.4232","extend1":"关注"}'>关注</a>

<a class="tool-item-follow active-animation" style="display:none;">关注</a>

</div>

</div>

<div class="toolbox-middle">

<ul class="toolbox-list">

<li class="tool-item tool-item-size tool-active is-like" id="is-like">

<a class="tool-item-href">

<img style="display:none;" id="is-like-imgactive-animation-like" class="animation-dom active-animation" src="https://csdnimg.cn/release/blogv2/dist/pc/img/tobarThumbUpactive.png" alt="">

<img class="isactive" style="display:none" id="is-like-imgactive" src="https://csdnimg.cn/release/blogv2/dist/pc/img/newHeart1Active.png" alt="">

<img class="isdefault" style="display:block" id="is-like-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/newHeart1Black.png" alt="">

<span id="spanCount" class="count ">

8

</span>

</a>

<div class="tool-hover-tip"><span class="text space">点赞</span></div>

</li>

<li class="tool-item tool-item-size tool-active tool-item-comment">

<a class="tool-item-href" href="#commentBox">

<img class="isdefault" src="https://csdnimg.cn/release/blogv2/dist/pc/img/newCommentBlack.png" alt="">

<span class="count">

0

</span>

</a>

<div class="tool-hover-tip"><span class="text space">评论</span></div>

</li>

<li class="tool-item tool-item-size tool-active is-collection ">

<a class="tool-item-href" href="javascript:;" data-report-click='{"mod":"popu\_824","spm":"1001.2101.3001.4130","ab":"new"}'>

<img style="display:none" id="is-collection-img-collection" class="animation-dom active-animation" src="https://csdnimg.cn/release/blogv2/dist/pc/img/tobarCollectionActive.png" alt="">

<img class="isdefault" id="is-collection-img" style="display:block" src="https://csdnimg.cn/release/blogv2/dist/pc/img/newCollectBlack.png" alt="">

<img class="isactive" id="is-collection-imgactive" style="display:none" src="https://csdnimg.cn/release/blogv2/dist/pc/img/newCollectActive.png" alt="">

<span class="count get-collection " id="get-collection">

123

</span>

</a>

<div class="tool-hover-tip"><span class="text space">收藏</span></div>

</li>

<li class="tool-item tool-active">

<a class="" href="javascript:;">

<img class="company active" id="health-companies" src="https://csdnimg.cn/release/blogv2/dist/pc/img/newHealthCompanies1Active.gif" alt="一键三连">

</a>

<div class="tool-hover-tip three-click"><span class="text">一键三连</span></div>

</li>

<li class="tool-item tool-item-bar">

</li>

<li class="tool-item tool-item-size tool-active tool-QRcode" id="tool-share">

<a class="tool-item-href" href="javascript:;" data-report-click='{"mod":"1582594662\_002","spm":"1001.2101.3001.4129","ab":"new"}'>

<img class="isdefault" src="https://csdnimg.cn/release/blogv2/dist/pc/img/newShareBlack.png" alt="">

</a>

<div class="QRcode" id="tool-QRcode">

<p class="title">

扫一扫，分享海报

</p>

<div id='shareCode'></div>

</div>

</li>

</ul>

</div>

<div class="toolbox-right">

<div class="tool-directory">

<a class="bt-columnlist-show"

data-id="8715530"

data-free="true"

data-subscribe="false"

data-title="软件测试面试题"

data-img="https://img-blog.csdnimg.cn/20191007100453222.png?x-oss-process=image/resize,m\_fixed,h\_224,w\_224"

data-url="https://blog.csdn.net/weixin\_41948075/category\_8715530.html"

data-sum="6"

data-people="4"

data-price="0"

data-oldprice="0"

data-join="false"

data-studyvip="false"

data-studysubscribe="false"

data-report-view='{"spm":"1001.2101.3001.6334","extend1":"专栏目录"}'

data-report-click='{"spm":"1001.2101.3001.6334","extend1":"专栏目录"}'

>专栏目录</a>

</div>

</div>

</div>

</div>

<script type=text/javascript crossorigin src="https://csdnimg.cn/release/phoenix/production/qrcode-7c90a92189.min.js"></script>

<script src="//g.csdnimg.cn/??sharewx/1.2.1/sharewx.js" type="text/javascript"></script>

<script type="text/javascript" crossorigin src="https://g.csdnimg.cn/user-login/3.0.1/user-login.js"></script>

<script type="text/javascript" crossorigin src="https://g.csdnimg.cn/collection-box/2.0.6/collection-box.js"></script>

<div class="first-recommend-box recommend-box">

<div class="recommend-item-box type\_download clearfix" data-url="http://download.csdn.net/download/indigo5251/4067535" data-report-view='{"ab":"new","mod":"popu\_871","extra":"{\"utm\_medium\":\"distribute.pc\_relevant\_t0.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-1.base\"}","dist\_request\_id":"1629787215345\_28080","index":"1","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/indigo5251/4067535"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="http://download.csdn.net/download/indigo5251/4067535" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_871","extra":"{\"utm\_medium\":\"distribute.pc\_relevant\_t0.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-1.base\"}","dist\_request\_id":"1629787215345\_28080","index":"1","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/indigo5251/4067535"}' data-report-query='utm\_medium=distribute.pc\_relevant\_t0.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base&depth\_1-utm\_source=distribute.pc\_relevant\_t0.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base'>

<em>软件测试</em>经典<em>面试题</em> (超实用)

</a>

</div>

<div class="info-box display-flex">

<div class="info display-flex">

<span class="info-block">02-16</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="http://download.csdn.net/download/indigo5251/4067535" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_871","extra":"{\"utm\_medium\":\"distribute.pc\_relevant\_t0.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-1.base\"}","dist\_request\_id":"1629787215345\_28080","index":"1","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/indigo5251/4067535"}' data-report-query='utm\_medium=distribute.pc\_relevant\_t0.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base&depth\_1-utm\_source=distribute.pc\_relevant\_t0.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base'>

<div class="desc ellipsis-online ellipsis-online-1">1、什么是兼容性测试？兼容性测试侧重哪些方面？ 5

2、我现在有个程序，发现在Windows上运行得很慢，怎么判别是程序存在问题还是软硬件系统存在问题？ 5

3、测试的策略有哪些？ 5

4、正交表测试用例设计方法的特点是什么？ 5

5、描述使用bugzilla缺陷管理工具对软件缺陷（BUG）跟踪的管理的流程？ 5

6、你觉得bugzilla在使用的过程中，有什么问题？ 5

7、描述测试用例设计的完整过程？ 6

8、单元测试的策略有哪些？ 6

9、LoadRunner分哪三部分？ 6

10、LoadRunner进行测试的流程? 6

什么是并发？在lordrunner中，如何进行并发的测试？集合点失败了会怎么样？ 6

12、使用QTP做功能测试，录制脚本的时候，要验证多个用户的登录情况/查询情况，如何操作？ 6

13、QTP中的Action有什么作用？有几种？ 6

14、TestDirector有些什么功能，如何对<em>软件测试</em>过程进行管理？ 7

15、你所熟悉的<em>软件测试</em>类型都有哪些？请试着分别比较这些不同的测试类型的区别与联系（如功能测试、性能测试……）？ 7

16、条软件缺陷（或者叫Bug）记录都包含了哪些内容？如何提交高质量的软件缺陷（Bug）记录？ 8

17、Beta测试与Alpha测试有什么区别？ 8

18、软件的评审一般由哪些人参加？其目的是什么？ 8

19、测试活动中，如果发现需求文档不完善或者不准确，怎么处理？ 8

20、阶段评审与项目评审有什么区别？ 8

21、阐述工作版本的定义？ 8

22、什么是桩模块？什么是驱动模块？ 8

23、什么是扇入？什么是扇出？ 8

24、你认为做好测试计划工作的关键是什么？ 8

25、你认为做好测试用例工作的关键是什么？ 9

26、简述一下缺陷的生命周期？ 9

27、软件的安全性应从哪几个方面去测试？ 9

28、软件配置管理工作开展的情况<em>和</em>认识？ 9

29、你觉得<em>软件测试</em>通过的标准应该是什么样的？ 10

30、引入测试管理的含义？ 10

31、一套完整的测试应该由哪些阶段组成？ 10

32、单元测试的主要内容？ 10

33、集成测试也叫组装测试或者联合测试，请简述集成测试的主要内容？ 10

34、简述集成测试与系统测试关系？ 10

35、<em>软件测试</em>的文档测试应当贯穿于软件生命周期的全过程，其中用户文档是文档测试的重点。那么软件系统的用户文档包括哪些？ 10

36、软件系统中除用户文档之外，文档测试还应该关注哪些文档？ 10

37、简述软件系统中用户文档的测试要点？ 11

38、单元测试主要内容是什么？ 11

39、如何理解强度测试？ 13

40、如何理解压力、负载、性能测试测试？ 13

41、什么是系统瓶颈？ 13

42、文档测试主要包含什么内容？ 13

43、功能测试用例需要详细到什么程度才是合格的？ 14

44、配置<em>和</em>兼容性测试的区别是什么？ 14

45、软件文档测试主要包含什么？ 15

46、没有产品说明书<em>和</em>需求文档地情况下能够进行黑盒测试吗？ 15

47、测试中的“杀虫剂怪事”是指什么？ 15

48、在配置测试中，如何判断发现的缺陷是普通问题还是特定的配置问题？ 15

49、为什么尽量不要让时间有富裕的员工去做一些测试？ 16

50、完全测试程序是可能的吗？ 16

51、<em>软件测试</em>的风险主要体现在哪里？ 16

52、发现的缺陷越多，说明软件缺陷越多吗？ 16

53、所有的软件缺陷都能修复吗？所有的软件缺陷都要修复吗？ 17

54、<em>软件测试</em>人员就是QA吗？ 17

55、如何减少测试人员跳槽带来的损失？ 17

56、测试产品与测试项目的区别是什么？ 17

57、<em>和</em>用户共同测试（UAT测试）的注意点有哪些？ 18

58、如何编写提交给用户的测试报告？ 18

59、测试工具在测试工作中是什么地位？ 18

60、什么是<em>软件测试</em>，<em>软件测试</em>的目的？ 18

61、简述负载测试与压力测试的区别。 19

62、写出bug报告流转的步骤，每步的责任人及主要完成的工作。 19

63、写出bug报告当中一些必备的内容。 19

64、开发人员老是犯一些低级错误怎么解决？ 20

65、画出<em>软件测试</em>的V模型图。 20

66、为什么要在一个团队中开展<em>软件测试</em>工作？ 20

67、您在以往的测试工作中都曾经具体从事过哪些工作？其中最擅长哪部分工作？ 20

68、您所熟悉的<em>软件测试</em>类型都有哪些？请试着分别比较这些不同的测试类型的区别与联系（如功能测试、性能测试……） 20

69、您认为做好测试用例设计工作的关键是什么？ 21

70、请试着比较一下黑盒测试、白盒测试、单元测试、集成测试、系统测试、验收测试的区别与联系。 21

71、测试计划工作的目的是什么？测试计划工作的内容都包括什么？其中哪些是最重要的？ 22

72、您所</div>

</a>

</div>

</div>

</div>

</div>

<div class="second-recommend-box recommend-box">

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/qq\_42434318/article/details/114137690" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-1.base\"}","dist\_request\_id":"1629787215345\_28080","index":"1","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/qq\_42434318/article/details/114137690"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/qq\_42434318/article/details/114137690" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-1.base\"}","dist\_request\_id":"1629787215345\_28080","index":"1","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/qq\_42434318/article/details/114137690"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base'>

<em>软件测试</em>工程师<em>面试题</em>之（<em>计算机网络</em>下）

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/qq\_42434318" target="\_blank"><span class="blog-title">公众号已改名为-程序员阿沐</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">02-26</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

160

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/qq\_42434318/article/details/114137690" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-1.base\"}","dist\_request\_id":"1629787215345\_28080","index":"1","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/qq\_42434318/article/details/114137690"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-1.base'>

<div class="desc ellipsis-online ellipsis-online-1"><em>软件测试</em>工程师<em>面试题</em>之（<em>计算机网络</em>下）</div>

</a>

</div>

</div>

</div>

</div>

<a id="commentBox" name="commentBox"></a>

<div class="comment-box">

<div class="comment-edit-box d-flex">

<a id="commentsedit"></a>

<div class="user-img">

<a href="javascript:void(0);" >

<img class="show\_loginbox" src="https://g.csdnimg.cn/static/user-img/anonymous-User-img.png">

</a>

</div>

<form id="commentform">

<img class="comment-sofa-flag" src="https://csdnimg.cn/release/blogv2/dist/pc/img/commentFlag@2x.png">

<textarea class="comment-content" name="comment\_content" id="comment\_content" placeholder="优质评论可以帮助作者获得更高权重" maxlength="1000"></textarea>

<div class="comment-emoticon"><img class="comment-emoticon-img" data-url="https://csdnimg.cn/release/blogv2/dist/pc/img/" src="https://csdnimg.cn/release/blogv2/dist/pc/img/emoticon.png" alt="表情包"></div>

<span class="comment-emoticon-tip">插入表情</span>

<div class="comment-emoticon-box">

<div class="comment-emoticon-img-box"></div>

</div>

<div class="opt-box">

<div id="ubbtools" class="add\_code">

<a href="#insertcode" code="code" target="\_self"><i class="icon iconfont icon-daima"></i></a>

</div>

<input type="hidden" id="comment\_replyId" name="comment\_replyId">

<input type="hidden" id="article\_id" name="article\_id" value="88625382">

<input type="hidden" id="comment\_userId" name="comment\_userId" value="">

<input type="hidden" id="commentId" name="commentId" value="">

<div class="dropdown" id="myDrap">

<a class="dropdown-face d-flex align-items-center" data-toggle="dropdown" role="button"

aria-haspopup="true" aria-expanded="false">

<div class="txt-selected text-truncate">添加代码片</div>

<svg class="icon d-block" width="200px" height="100.00px" viewBox="0 0 2048 1024" version="1.1" xmlns="http://www.w3.org/2000/svg"><path d="M597.33333292 298.666667h853.333334L1023.99999992 725.333333 597.33333292 298.666667z" /></svg>

</a>

<ul class="dropdown-menu" id="commentCode" aria-labelledby="drop4">

<li><a data-code="html">HTML/XML</a></li>

<li><a data-code="objc">objective-c</a></li>

<li><a data-code="ruby">Ruby</a></li>

<li><a data-code="php">PHP</a></li>

<li><a data-code="csharp">C</a></li>

<li><a data-code="cpp">C++</a></li>

<li><a data-code="javascript">JavaScript</a></li>

<li><a data-code="python">Python</a></li>

<li><a data-code="java">Java</a></li>

<li><a data-code="css">CSS</a></li>

<li><a data-code="sql">SQL</a></li>

<li><a data-code="plain">其它</a></li>

</ul>

</div>

<div class="right-box" id="rightBox" data-type="2">

<span id="tip\_comment" class="tip">还能输入<em>1000</em>个字符</span>

<a data-report-click='{"mod":"1582594662\_003","spm":"1001.2101.3001.4227","ab":"new"}'><input type="submit"

class="btn btn-sm btn-comment" value="发表评论"></a>

</div>

</div>

</form>

<input type="button" class="bt-comment-show" value="评论">

</div>

<div class="comment-list-container">

<a id="comments"></a>

<div class="comment-list-box">

</div>

<div id="commentPage" class="pagination-box d-none"></div>

<div class="opt-box text-center">

<div class="btn btn-sm btn-link-blue" id="btnMoreComment"></div>

</div>

</div>

</div> <div class="recommend-tit-mod">相关推荐</div>

<div class="recommend-box insert-baidu-box">

<div class="recommend-item-box clearfix" style="display:none"></div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/sevensolo/article/details/86942764" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-2.base\"}","dist\_request\_id":"1629787215345\_28080","index":"2","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/sevensolo/article/details/86942764"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/sevensolo/article/details/86942764" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-2.base\"}","dist\_request\_id":"1629787215345\_28080","index":"2","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/sevensolo/article/details/86942764"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-2.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-2.base'>

<em>软件测试</em>经典<em>面试题</em>（小题汇总）

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/sevensolo" target="\_blank"><span class="blog-title">噢，乖</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">02-12</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

4万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/sevensolo/article/details/86942764" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-2.base\"}","dist\_request\_id":"1629787215345\_28080","index":"2","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/sevensolo/article/details/86942764"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-2.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-2.base'>

<div class="desc ellipsis-online ellipsis-online-1">整理收集一些大家的题，自己来作答，回答不妥或者不全的还请大家指正

网络

（一）简单描述下<em>TCP</em>协议

<em>TCP</em>：传输控制协议，是传输层通信协议。它有面向连接、可靠、字节流传输等特点

<em>TCP</em>建立连接时，需要三次握手协议

<em>TCP</em>三次握手的过程如下：

客户端发送SYN保温给服务端，进入SYN\_SEND（SEQ=X）状态

服务端收到SYN保温，回应一个SYN（SEQ=Y） ACK(ACK=X+1)报文，进入...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/qq\_37688023/article/details/107216952" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-3.base\"}","dist\_request\_id":"1629787215345\_28080","index":"3","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/qq\_37688023/article/details/107216952"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/qq\_37688023/article/details/107216952" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-3.base\"}","dist\_request\_id":"1629787215345\_28080","index":"3","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/qq\_37688023/article/details/107216952"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-3.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-3.base'>

<em>软件测试</em>之<em>TCP</em>、HTTP协议必知必会，面试必备！

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/qq\_37688023" target="\_blank"><span class="blog-title">一个Tester的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">07-13</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

2万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/qq\_37688023/article/details/107216952" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-3.base\"}","dist\_request\_id":"1629787215345\_28080","index":"3","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/qq\_37688023/article/details/107216952"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-3.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-3.base'>

<div class="desc ellipsis-online ellipsis-online-1">目录一、网络七层与四层模型1.1 OSI七层网络模型1.2 <em>TCP</em>/IP四层概念模型二、<em>TCP</em>、UPD协议详解2.1 <em>TCP</em>三次握手2.2 <em>TCP</em>四次挥手2.3 <em>UDP</em>协议与<em>TCP</em>协议对比三、HTTP、HTTPS协议详解3.1 HTTP协议之请求报文3.2 HTTP协议之响应报文3.3 HTTPS协议详解3.4 HTTP协议与HTTPS协议对比四、常见<em>面试题</em>

一、网络七层与四层模型

1.1 OSI七层网络模型

OSI七层模型：是ISO组织研究的一种网络互连模型，目的是为了推荐所有公司使用这个规范来控制网络。</div>

</a>

</div>

</div>

</div>

<dl id="recommend-item-box-tow" class="recommend-item-box type\_blog clearfix">

</dl>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/weixin\_30435261/article/details/98843492" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-4.base\"}","dist\_request\_id":"1629787215345\_28080","index":"4","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/weixin\_30435261/article/details/98843492"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/weixin\_30435261/article/details/98843492" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-4.base\"}","dist\_request\_id":"1629787215345\_28080","index":"4","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/weixin\_30435261/article/details/98843492"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-4.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-4.base'>

<em>计算机网络</em>常见<em>面试题</em>

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/weixin\_30435261" target="\_blank"><span class="blog-title">weixin\_30435261的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">06-20</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

1315

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/weixin\_30435261/article/details/98843492" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-4.base\"}","dist\_request\_id":"1629787215345\_28080","index":"4","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/weixin\_30435261/article/details/98843492"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-4.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-4.base'>

<div class="desc ellipsis-online ellipsis-online-1">分享一个很好的博客：http://www.cnblogs.com/maybe2030/p/4781555.html#\_label3

OSI，<em>TCP</em>/IP，五层协议的体系结构，以及各层协议

　　1）物理层（Physical Layer）

　　激活、维持、关闭通信端点之间的机械特性、电气特性、功能特性以及过程特性。该层为上层协议提供了一个传输数据的可靠的物理媒体。简单...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/qq\_41625341/article/details/82941787" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-5.base\"}","dist\_request\_id":"1629787215345\_28080","index":"5","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_41625341/article/details/82941787"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/qq\_41625341/article/details/82941787" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-5.base\"}","dist\_request\_id":"1629787215345\_28080","index":"5","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_41625341/article/details/82941787"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-5.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-5.base'>

<em>软件测试</em>工程师经典<em>面试题</em>

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/qq\_41625341" target="\_blank"><span class="blog-title">qq\_41625341的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">10-27</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

7万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/qq\_41625341/article/details/82941787" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-5.base\"}","dist\_request\_id":"1629787215345\_28080","index":"5","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_41625341/article/details/82941787"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-5.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-5.base'>

<div class="desc ellipsis-online ellipsis-online-1">  <em>软件测试</em>工程师，<em>和</em>开发工程师相比起来，虽然前期可能不会太深，但是涉及的面还是比较广的。前期面试实习生或者一年左右的岗位，问的也主要是一些基础性的问题比较多。涉及的知识主要有MySQL数据库的使用、Linux操作系统的使用、<em>软件测试</em>框架性的问题，测试环境搭建问题、当然还有一些自动化测试<em>和</em>性能测试的问题。测试工程师的<em>面试题</em>，基本上都是大同小异的，面试的核心主要在于框架模块（一到两年工作经验） 。今...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/zhusongziye/article/details/77802620" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-6.base\"}","dist\_request\_id":"1629787215345\_28080","index":"6","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/zhusongziye/article/details/77802620"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/zhusongziye/article/details/77802620" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-6.base\"}","dist\_request\_id":"1629787215345\_28080","index":"6","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/zhusongziye/article/details/77802620"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-6.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-6.base'>

<em>软件测试</em>面试必问问题

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/zhusongziye" target="\_blank"><span class="blog-title">zhusongziye的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">09-02</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

2万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/zhusongziye/article/details/77802620" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-6.base\"}","dist\_request\_id":"1629787215345\_28080","index":"6","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/zhusongziye/article/details/77802620"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-6.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-6.base'>

<div class="desc ellipsis-online ellipsis-online-1">你每次面试都是摩拳擦掌，跃跃欲试，但是却往往死在笔试题或者是<em>面试题</em>或者是HR面试下。

总以为自己已经准备好了，但是结果往往告诉你：并！没！有！

一般面试的时候会遇到什么刁钻的问题？

基本都是我们防不胜防，

为了让我们下次表现的更好，

离自己心仪的offer更近，

赶紧来看看下面的各类题目！

======笔试题=========

题目：如下图，要求你写出测试用例、

</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/wsl\_cnxw/article/details/103283255" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-7.base\"}","dist\_request\_id":"1629787215345\_28080","index":"7","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/wsl\_cnxw/article/details/103283255"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/wsl\_cnxw/article/details/103283255" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-7.base\"}","dist\_request\_id":"1629787215345\_28080","index":"7","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/wsl\_cnxw/article/details/103283255"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-7.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-7.base'>

<em>软件测试</em>面试-<em>计算机网络</em>

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/wsl\_cnxw" target="\_blank"><span class="blog-title">wsl\_cnxw的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">11-28</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

870

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/wsl\_cnxw/article/details/103283255" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-7.base\"}","dist\_request\_id":"1629787215345\_28080","index":"7","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/wsl\_cnxw/article/details/103283255"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-7.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-7.base'>

<div class="desc ellipsis-online ellipsis-online-1">1.<em>计算机网络</em>

1. OSI 开放式系统互联通信参考模型（英语：Open System Interconnection Reference Model，缩写为 OSI），简称为OSI模型（OSI model），一种概念模型，由国际标准化组织提出，一个试图使各种计算机在世界范围内互连为网络的标准框架。

层 作用 数据单位 协议

物理层 通过媒介传输比特,确定机械及电气规范...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/weixin\_30363263/article/details/80110247" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-8.base\"}","dist\_request\_id":"1629787215345\_28080","index":"8","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_30363263/article/details/80110247"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/weixin\_30363263/article/details/80110247" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-8.base\"}","dist\_request\_id":"1629787215345\_28080","index":"8","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_30363263/article/details/80110247"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-8.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-8.base'>

<em>软件测试</em>常考<em>面试题</em>-<em>软件测试</em>面试宝典（一篇足矣）

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/weixin\_30363263" target="\_blank"><span class="blog-title">山鬼谣弋痕夕的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">04-27</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

17万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/weixin\_30363263/article/details/80110247" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-8.base\"}","dist\_request\_id":"1629787215345\_28080","index":"8","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_30363263/article/details/80110247"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-8.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-8.base'>

<div class="desc ellipsis-online ellipsis-online-1">https://blog.csdn.net/mj813/article/details/52451355，对原文进行整理

问：<em>软件测试</em>的原则？

答：https://blog.csdn.net/weixin\_30363263/article/details/102986878

问：你在测试中发现了一个 bug ，但是开发经理认为这不是一个 bug ，你应该怎样解决。

1、将问题提交到缺陷...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/weixin\_45912307/article/details/108661479" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-9.base\"}","dist\_request\_id":"1629787215345\_28080","index":"9","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_45912307/article/details/108661479"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/weixin\_45912307/article/details/108661479" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-9.base\"}","dist\_request\_id":"1629787215345\_28080","index":"9","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_45912307/article/details/108661479"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-9.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-9.base'>

<em>软件测试</em>必问必背<em>面试题</em>

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/weixin\_45912307" target="\_blank"><span class="blog-title">weixin\_45912307的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">10-30</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

1110

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/weixin\_45912307/article/details/108661479" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-9.base\"}","dist\_request\_id":"1629787215345\_28080","index":"9","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_45912307/article/details/108661479"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-9.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-9.base'>

<div class="desc ellipsis-online ellipsis-online-1"><em>软件测试</em>必问必背<em>面试题</em>

01 <em>软件测试</em>理论部分

1.1 测试概念

1. 请你分别介绍一下单元测试、集成测试、系统测试、验收测试、回归测试

单元测试：完成最小的软件设计单元（模块）的验证工作，目标是确保模块被正确的编码

集成测试：通过测试发现与模块接口有关的问题

系统测试：是基于系统整体需求说明书的黑盒类测试，应覆盖系统所有联合的部件

回归测试：回归测试是指在发生修改之后重新测试先前的测试用例以保证修改的正确性

验收测试：这时<em>相关</em>的用户或独立测试人员根据测试计划<em>和</em>结果对系统进行测试<em>和</em>接收。验收测试包括Al</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_download clearfix" data-url="http://download.csdn.net/download/jzy200810000/922569" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-10.base\"}","dist\_request\_id":"1629787215345\_28080","index":"10","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/jzy200810000/922569"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="http://download.csdn.net/download/jzy200810000/922569" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-10.base\"}","dist\_request\_id":"1629787215345\_28080","index":"10","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/jzy200810000/922569"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-10.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-10.base'>

笔试<em>面试题</em>大全（含<em>软件测试</em>、数据库等）

</a>

</div>

<div class="info-box display-flex">

<div class="info display-flex">

<span class="info-block">12-29</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="http://download.csdn.net/download/jzy200810000/922569" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-10.base\"}","dist\_request\_id":"1629787215345\_28080","index":"10","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/jzy200810000/922569"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-10.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-10.base'>

<div class="desc ellipsis-online ellipsis-online-1">里面含有大量公司笔试、<em>面试题</em>，祝大家找到好工作。</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/leimie1942/article/details/101517389" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-11.base\"}","dist\_request\_id":"1629787215345\_28080","index":"11","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/leimie1942/article/details/101517389"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/leimie1942/article/details/101517389" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-11.base\"}","dist\_request\_id":"1629787215345\_28080","index":"11","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/leimie1942/article/details/101517389"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-11.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-11.base'>

<em>软件测试</em><em>面试题</em>（面试前准备篇）

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/leimie1942" target="\_blank"><span class="blog-title">彩虹的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">09-27</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

2万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/leimie1942/article/details/101517389" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-11.base\"}","dist\_request\_id":"1629787215345\_28080","index":"11","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/leimie1942/article/details/101517389"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-11.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-11.base'>

<div class="desc ellipsis-online ellipsis-online-1">目录

一、问题预测

让简单介绍下自己（每次面试开场）

让说下自己会的内容

看了哪些书籍（有问到）

了解过哪些技术博客/论坛（有问到）

是否了解<em>软件测试</em>需要掌握哪些知识（问到类似问题）

之前面试过，觉得自己需要补充哪些？做了哪些行动？

为什么做测试,觉得自己做测试有哪些优势？（有问到）

知道哪些Bug系统

9.测试用例的基本要素是?

二、介绍一下公司项目

三、技能...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/zhangkaiyazky/article/details/102525628" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-12.base\"}","dist\_request\_id":"1629787215345\_28080","index":"12","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/zhangkaiyazky/article/details/102525628"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/zhangkaiyazky/article/details/102525628" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-12.base\"}","dist\_request\_id":"1629787215345\_28080","index":"12","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/zhangkaiyazky/article/details/102525628"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-12.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-12.base'>

<em>软件测试</em>总结——常见的面试问题（一）

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/zhangkaiyazky" target="\_blank"><span class="blog-title">李建国的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">10-13</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

8万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/zhangkaiyazky/article/details/102525628" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-12.base\"}","dist\_request\_id":"1629787215345\_28080","index":"12","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/zhangkaiyazky/article/details/102525628"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-12.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-12.base'>

<div class="desc ellipsis-online ellipsis-online-1">1.<em>软件测试</em>级别？

单元测试：单元测试是对软件组成单元进行测试。其目的是检验软件基本组成单位的正确性。测试的对象是软件设计的最小单位：模块。Findyou又称为模块测试，一个单元测试是用于判断某个特定条件（或者场景）下某个特定函数的行为。（测试内容：模块接口测试、局部数据结构测试、路径测试、错误处理测试、边界测试）

集成测试：（集成测试也称联合测试、组装测试，将程序模块采用适当的集成策略组装起...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_download clearfix" data-url="http://download.csdn.net/download/totoice/3308855" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-13.base\"}","dist\_request\_id":"1629787215345\_28080","index":"13","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/totoice/3308855"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="http://download.csdn.net/download/totoice/3308855" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-13.base\"}","dist\_request\_id":"1629787215345\_28080","index":"13","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/totoice/3308855"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-13.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-13.base'>

华为<em>软件测试</em>工程师笔试<em>面试题</em>

</a>

</div>

<div class="info-box display-flex">

<div class="info display-flex">

<span class="info-block">05-24</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="http://download.csdn.net/download/totoice/3308855" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-download-2~default~BlogCommendFromMachineLearnPai2~default-13.base\"}","dist\_request\_id":"1629787215345\_28080","index":"13","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"http://download.csdn.net/download/totoice/3308855"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-13.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-download-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-13.base'>

<div class="desc ellipsis-online ellipsis-online-1">华为<em>软件测试</em>工程师笔试<em>面试题</em>，设计<em>网络协议</em>，编程语言，产品测试等</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/cyjs1988/article/details/80363284" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-14.base\"}","dist\_request\_id":"1629787215345\_28080","index":"14","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/cyjs1988/article/details/80363284"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/cyjs1988/article/details/80363284" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-14.base\"}","dist\_request\_id":"1629787215345\_28080","index":"14","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/cyjs1988/article/details/80363284"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-14.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-14.base'>

<em>软件测试</em>工程师笔试题面试 考到的网络基础知识-题目<em>和</em>答案

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/cyjs1988" target="\_blank"><span class="blog-title">猎摘互联网软件测试业界技术文章专用博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">05-18</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

4129

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/cyjs1988/article/details/80363284" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromMachineLearnPai2~default-14.base\"}","dist\_request\_id":"1629787215345\_28080","index":"14","strategy":"2~default~BlogCommendFromMachineLearnPai2~default","dest":"https://blog.csdn.net/cyjs1988/article/details/80363284"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-14.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromMachineLearnPai2%7Edefault-14.base'>

<div class="desc ellipsis-online ellipsis-online-1">一.单项选择题（共50小题，每题1分，共50分）

1.<em>计算机网络</em>最突出的优点是( )

A.精度高 B.内存容量大 C.运算速度快 D.共享资源

2.关于<em>计算机网络</em>的讨论中，下列哪个观点是正确的？ （ ）

A.组建<em>计算机网络</em>的目的是实现局域网的互联

B.联入网络的所有计算机都必须使用同样的操作系统

C.网络必须采用一个具有全局资源调度能力的分布操作系...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/qq\_36595013/article/details/88623174" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-15.base\"}","dist\_request\_id":"1629787215345\_28080","index":"15","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_36595013/article/details/88623174"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/qq\_36595013/article/details/88623174" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-15.base\"}","dist\_request\_id":"1629787215345\_28080","index":"15","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_36595013/article/details/88623174"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-15.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-15.base'>

（面试学习通用）<em>计算机网络</em>常见笔试<em>面试题</em>目及答案汇总（<em>软件测试</em>、各种开发语言基础）

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/qq\_36595013" target="\_blank"><span class="blog-title">Sunny王维</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">03-17</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

3422

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/qq\_36595013/article/details/88623174" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-15.base\"}","dist\_request\_id":"1629787215345\_28080","index":"15","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_36595013/article/details/88623174"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-15.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-15.base'>

<div class="desc ellipsis-online ellipsis-online-1">OSI参考模型与<em>TCP</em>/IP参考模型

OSI（Open System Interconnection）参考模型是国际标准化组织（ISO）制定的一个用于计算机或通信系统间互联的标准体系，一般称为OSI参考模型或七层模型。

<em>TCP</em>/IP参考模型是<em>计算机网络</em>的祖父ARPANET<em>和</em>其后继的因特网使用的参考模型。

二者的对应关系、每层功能<em>和</em>协议族如下表所示：

说明：有时为了方便，也可以把<em>TCP</em>/IP模型中...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/qq\_36595013/article/details/88231747" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-16.base\"}","dist\_request\_id":"1629787215345\_28080","index":"16","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_36595013/article/details/88231747"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/qq\_36595013/article/details/88231747" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-16.base\"}","dist\_request\_id":"1629787215345\_28080","index":"16","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_36595013/article/details/88231747"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-16.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-16.base'>

<em>软件测试</em>笔试<em>面试题</em>目完全汇总

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/qq\_36595013" target="\_blank"><span class="blog-title">Sunny王维</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">03-06</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

15万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/qq\_36595013/article/details/88231747" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-16.base\"}","dist\_request\_id":"1629787215345\_28080","index":"16","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/qq\_36595013/article/details/88231747"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-16.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-16.base'>

<div class="desc ellipsis-online ellipsis-online-1">1、<em>软件测试</em>的流程

2、web测试<em>和</em>APP测试的区别

仅仅从功能测试的层面上来讲的话，在流程<em>和</em>功能测试上是没有区别的。那么区别在哪里呢？

由于载体不一样，所以系统测试<em>和</em>一些细节可能会不一样。

那么我们就要先来了解，web<em>和</em>app的区别。

web项目，一般都是b/s架构，基于浏览器的，而app则是c/s的，必须要有客户端。那么在系统测试测试的时候就会产生区别了。

首先从系统架构来看的话，web测试...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/weixin\_39362573/article/details/108460732" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-17.base\"}","dist\_request\_id":"1629787215345\_28080","index":"17","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_39362573/article/details/108460732"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/weixin\_39362573/article/details/108460732" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-17.base\"}","dist\_request\_id":"1629787215345\_28080","index":"17","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_39362573/article/details/108460732"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-17.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-17.base'>

史上最全的app<em>相关</em>的<em>面试题</em>【多测师】

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/weixin\_39362573" target="\_blank"><span class="blog-title">多测师\_王sir的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">05-11</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

709

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/weixin\_39362573/article/details/108460732" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-17.base\"}","dist\_request\_id":"1629787215345\_28080","index":"17","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/weixin\_39362573/article/details/108460732"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-17.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-17.base'>

<div class="desc ellipsis-online ellipsis-online-1">app测试<em>常问</em>的问题一）web端测试<em>和</em>app测试的区别？答：可以从app测试场景来介绍两者的区别web端主要是在浏览器上面进行测试app端主要是在不同的手机上面进行测试然后web端测试谷歌、火狐、IE等浏览器的兼容性app端测试iOS<em>和</em>Android端的兼容性二）app测试主要测试场景有哪些？1. 安装卸载测试（这里包含覆盖安装，卸载安装，增量升级，因为很多bug就出现在覆盖安装上面）2...</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/zjtdy/article/details/115795243" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-18.base\"}","dist\_request\_id":"1629787215345\_28080","index":"18","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/zjtdy/article/details/115795243"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/zjtdy/article/details/115795243" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-18.base\"}","dist\_request\_id":"1629787215345\_28080","index":"18","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/zjtdy/article/details/115795243"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-18.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-18.base'>

<em>软件测试</em>常见网络<em>相关</em><em>面试题</em>

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/zjtdy" target="\_blank"><span class="blog-title">zjtdy的博客</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">04-17</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

67

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/zjtdy/article/details/115795243" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-18.base\"}","dist\_request\_id":"1629787215345\_28080","index":"18","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/zjtdy/article/details/115795243"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-18.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-18.base'>

<div class="desc ellipsis-online ellipsis-online-1">什么是HTTP

「 超文本传输协议 」 （英语： 「 H 」 yper 「 T 」 ext 「 T 」 ransfer 「 P 」 rotocol，缩写： 「 HTTP 」 ）是一种用于分布式、协作式<em>和</em>超媒体信息系统的应用层协议。<em>--</em> 摘自维基百科

「 超文本： 」

超文本指不单单是文本，还可以传输图片、音频、视频、文字或者图片上的超链接；

「 传输： 」

将超文本（数据包）从一端发送给另一端的过程，通常将发送数据包的一端称为 请求方 ，接收数据包的一端称为 应答方 。

「 协议： 」

协议是指</div>

</a>

</div>

</div>

</div>

<div class="recommend-item-box type\_blog clearfix" data-url="https://blog.csdn.net/ganhongxia/article/details/6025416" data-report-view='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-19.base\"}","dist\_request\_id":"1629787215345\_28080","index":"19","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/ganhongxia/article/details/6025416"}'>

<div class="content-box">

<div class="content-blog display-flex">

<div class="title-box">

<a href="https://blog.csdn.net/ganhongxia/article/details/6025416" class="tit ellipsis-online ellipsis-online-1" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-19.base\"}","dist\_request\_id":"1629787215345\_28080","index":"19","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/ganhongxia/article/details/6025416"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogComm6endFromBaidu%7Edefault-19.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-19.base'>

经典测试用例，一个水杯的测试

</a>

</div>

<div class="info-box display-flex">

<div class="info">

<a href="https://blog.csdn.net/ganhongxia" target="\_blank"><span class="blog-title">ganhongxia的专栏</span></a>

</div>

<div class="info display-flex">

<span class="info-block time">11-21</span>

<span class="info-block read"><img class="read-img" src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

2万+

</span>

</div>

</div>

</div>

<div class="desc-box">

<a href="https://blog.csdn.net/ganhongxia/article/details/6025416" target="\_blank" data-report-click='{"ab":"new","mod":"popu\_387","extra":"{\"utm\_medium\":\"distribute.pc\_relevant.none-task-blog-2~default~BlogCommendFromBaidu~default-19.base\"}","dist\_request\_id":"1629787215345\_28080","index":"19","strategy":"2~default~BlogCommendFromBaidu~default","dest":"https://blog.csdn.net/ganhongxia/article/details/6025416"}' data-report-query='utm\_medium=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-19.base&depth\_1-utm\_source=distribute.pc\_relevant.none-task-blog-2%7Edefault%7EBlogCommendFromBaidu%7Edefault-19.base'>

<div class="desc ellipsis-online ellipsis-online-1">考官从办公室（面试现场）随意选取一个简单物品，假定是一个喝水的带广告图案的花纸杯，让应聘人对它设计出尽可能多的测试用例。

测试项目：杯子

需求测试:查看杯子使用说明书

界面测试:查看杯子外观

功能度：用水杯装水看漏不漏；水能不能被喝到

安全性：杯子有没有毒或细菌

可\*性：杯子从不同高度落下的损坏程度

可移植性：杯子再不同的地方、温度等环境下是否都可以正常使用

兼容性：杯子是否能够容纳果汁、白水、酒精、汽油等

易用性：杯子是否烫手、是否有防滑措施、是否方便</div>

</a>

</div>

</div>

</div>

</div>

<div class="template-box">

<span>2020 CSDN</span>

<span>皮肤主题: 点我我会动</span>

<span> 设计师:白松林</span>

<span>

<a href="https://blog.csdn.net/" class="back-home c-blue c-blue-hover c-blue-focus">返回首页</a>

</span>

</div>

<div class="blog-footer-bottom" style="margin-top:10px;"></div>

<script src="https://g.csdnimg.cn/common/csdn-footer/csdn-footer.js" data-isfootertrack="false" type="text/javascript"></script>

<script type="text/javascript">

window.csdn.csdnFooter.options = {

el: '.blog-footer-bottom',

type: 2

}

</script> </main>

<aside class="blog\_container\_aside">

<div id="asideProfile" class="aside-box">

<div class="profile-intro d-flex">

<div class="avatar-box d-flex justify-content-center flex-column">

<a href="https://blog.csdn.net/weixin\_41948075" data-report-click='{"mod":"popu\_379","spm":"1001.2101.3001.4121","dest":"https://blog.csdn.net/weixin\_41948075","ab":"new"}'>

<img src="https://profile.csdnimg.cn/9/4/B/3\_weixin\_41948075" class="avatar\_pic">

</a>

</div>

<div class="user-info d-flex flex-column profile-intro-name-box">

<div class="profile-intro-name-boxTop">

<a href="https://blog.csdn.net/weixin\_41948075" class="" id="uid" title="lucky多多" data-report-click='{"mod":"popu\_379","spm":"1001.2101.3001.4122","dest":"https://blog.csdn.net/weixin\_41948075","ab":"new"}'>

<span class="name " username="weixin\_41948075">lucky多多</span>

</a>

<span>

</span>

<span class="flag expert-blog">

<span class="bubble">CSDN认证博客专家</span>

</span>

<span class="flag company-blog">

<span class="bubble">CSDN认证企业博客</span>

</span>

</div>

<div class="profile-intro-name-boxFooter">

<span class="personal-home-page personal-home-years">码龄3年</span>

<span class="personal-home-page">

<a class="personal-home-certification" href="https://i.csdn.net/#/uc/profile?utm\_source=14998968" target="\_blank" title="暂无认证">

<img src="https://csdnimg.cn/identity/nocErtification.png" alt="">

暂无认证

</a>

</span>

</div>

</div>

</div>

<div class="data-info d-flex item-tiling">

<dl class="text-center" title="96">

<a href="https://blog.csdn.net/weixin\_41948075" data-report-click='{"mod":"1598321000\_001","spm":"1001.2101.3001.4310"}' data-report-query="t=1">

<dt><span class="count">96</span></dt>

<dd class="font">原创</dd>

</a>

</dl>

<dl class="text-center" data-report-click='{"mod":"1598321000\_002","spm":"1001.2101.3001.4311"}' title="16985">

<a href="https://blog.csdn.net/rank/list/weekly" target="\_blank">

<dt><span class="count">1万+</span></dt>

<dd class="font">周排名</dd>

</a>

</dl>

<dl class="text-center" title="1204996">

<a href="https://blog.csdn.net/rank/list/total" data-report-click='{"mod":"1598321000\_003","spm":"1001.2101.3001.4312"}' target="\_blank">

<dt><span class="count">120万+</span></dt>

<dd class="font">总排名</dd>

</a>

</dl>

<dl class="text-center" style="min-width:58px" title="644796">

<dt><span class="count">64万+</span></dt>

<dd>访问</dd>

</dl>

<dl class="text-center" title="6级,点击查看等级说明">

<dt><a href="https://blog.csdn.net/blogdevteam/article/details/103478461" target="\_blank">

<img class="level" src="https://csdnimg.cn/identity/blog6.png">

</a>

</dt>

<dd>等级</dd>

</dl>

</div>

<div class="item-rank"></div>

<div class="data-info d-flex item-tiling">

<dl class="text-center" title="5654">

<dt><span class="count">5654</span></dt>

<dd>积分</dd>

</dl>

<dl class="text-center" id="fanBox" title="710">

<dt><span class="count" id="fan">710</span></dt>

<dd>粉丝</dd>

</dl>

<dl class="text-center" title="685">

<dt><span class="count">685</span></dt>

<dd>获赞</dd>

</dl>

<dl class="text-center" title="139">

<dt><span class="count">139</span></dt>

<dd>评论</dd>

</dl>

<dl class="text-center" title="4147">

<dt><span class="count">4147</span></dt>

<dd>收藏</dd>

</dl>

</div>

<div class="aside-box-footer" data-report-view='{"spm":"3001.4296"}'>

<div class="badge-box d-flex">

<div class="badge d-flex">

<div class="icon-badge" title="新人勋章">

<div class="mouse-box">

<img class="medal-img" data-report-click='{"spm":"3001.4296"}' src="https://csdnimg.cn/medal/blinknewcomer@240.png" alt="新人勋章">

</div>

</div>

<div class="icon-badge" title="GitHub">

<div class="mouse-box">

<img class="medal-img" data-report-click='{"spm":"3001.4296"}' src="https://csdnimg.cn/medal/github@240.png" alt="GitHub">

</div>

</div>

<div class="icon-badge" title="签到王者">

<div class="mouse-box">

<img class="medal-img" data-report-click='{"spm":"3001.4296"}' src="https://csdnimg.cn/medal/qiandao150@240.png" alt="签到王者">

</div>

</div>

<div class="icon-badge" title="阅读者勋章Lv3">

<div class="mouse-box">

<img class="medal-img" data-report-click='{"spm":"3001.4296"}' src="https://csdnimg.cn/medal/yuedu30@240.png" alt="阅读者勋章Lv3">

</div>

</div>

<div class="icon-badge" title="持之以恒">

<div class="mouse-box">

<img class="medal-img" data-report-click='{"spm":"3001.4296"}' src="https://csdnimg.cn/medal/chizhiyiheng@240.png" alt="持之以恒">

</div>

</div>

<div class="icon-badge" title="勤写标兵Lv3">

<div class="mouse-box">

<img class="medal-img" data-report-click='{"spm":"3001.4296"}' src="https://csdnimg.cn/medal/qixiebiaobing3@240.png" alt="勤写标兵Lv3">

</div>

</div>

</div>

</div>

</div>

<div class="profile-intro-name-boxOpration">

<div class="opt-letter-watch-box">

<a class="bt-button personal-letter" href="https://im.csdn.net/chat/weixin\_41948075" target="\_blank" rel="noopener">私信</a>

</div>

<div class="opt-letter-watch-box">

<a class="personal-watch bt-button" id="btnAttent" >关注</a>

</div>

</div>

</div>

<div id="asideSearchArticle" class="aside-box">

<div class="aside-content search-comter">

<div class="aside-search aside-search-blog">

<input type="text" class="input-serch-blog" name="" autocomplete="off" value="" id="search-blog-words" placeholder="搜博主文章">

<a class="btn-search-blog">

<img src="//csdnimg.cn/cdn/content-toolbar/csdn-white-search.png?v=1587006908">

</a>

</div>

</div>

</div>

<div id="asideHotArticle" class="aside-box">

<h3 class="aside-title">热门文章</h3>

<div class="aside-content">

<ul class="hotArticle-list">

<li>

<a href="https://blog.csdn.net/weixin\_41948075/article/details/88313053" target="\_blank" data-report-click='{"mod":"popu\_541","spm":"1001.2101.3001.4139","dest":"https://blog.csdn.net/weixin\_41948075/article/details/88313053","ab":"new"}'>

测试用例附实例

<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

<span class="read">108841</span>

</a>

</li>

<li>

<a href="https://blog.csdn.net/weixin\_41948075/article/details/88850212" target="\_blank" data-report-click='{"mod":"popu\_541","spm":"1001.2101.3001.4139","dest":"https://blog.csdn.net/weixin\_41948075/article/details/88850212","ab":"new"}'>

adb工具的下载及配置

<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

<span class="read">42006</span>

</a>

</li>

<li>

<a href="https://blog.csdn.net/weixin\_41948075/article/details/92596736" target="\_blank" data-report-click='{"mod":"popu\_541","spm":"1001.2101.3001.4139","dest":"https://blog.csdn.net/weixin\_41948075/article/details/92596736","ab":"new"}'>

如何知道自己电脑是否安装了Git

<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

<span class="read">32971</span>

</a>

</li>

<li>

<a href="https://blog.csdn.net/weixin\_41948075/article/details/91564743" target="\_blank" data-report-click='{"mod":"popu\_541","spm":"1001.2101.3001.4139","dest":"https://blog.csdn.net/weixin\_41948075/article/details/91564743","ab":"new"}'>

Chrome浏览器如何导入证书（最新！）

<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

<span class="read">23636</span>

</a>

</li>

<li>

<a href="https://blog.csdn.net/weixin\_41948075/article/details/89287926" target="\_blank" data-report-click='{"mod":"popu\_541","spm":"1001.2101.3001.4139","dest":"https://blog.csdn.net/weixin\_41948075/article/details/89287926","ab":"new"}'>

测试用例和缺陷报告（项目实例）

<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/readCountBlack.png" alt="">

<span class="read">23316</span>

</a>

</li>

</ul>

</div>

</div>

<div id="asideCategory" class="aside-box flexible-box">

<h3 class="aside-title">分类专栏</h3>

<div class="aside-content">

<ul>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8714921.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8714921.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100230268.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">软件测试</span>

</span>

<span class="count float-right">27篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_10824091.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_10824091.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20201014180756927.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">杂记</span>

</span>

</a>

</li>

<li class="indentation">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8715530.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8715530.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100453222.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">软件测试面试题</span>

</span>

<span class="count float-right">6篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9723317.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9723317.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20200402232833597.jpeg?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Python</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9866046.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9866046.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20200402232738768.jpeg?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">solve problems</span>

</span>

<span class="count float-right">15篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9160522.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9160522.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/2019100710050647.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Linux命令</span>

</span>

<span class="count float-right">10篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9303964.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9303964.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100317382.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">数据结构</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8850992.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8850992.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100521453.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">数据库</span>

</span>

<span class="count float-right">8篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8853050.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8853050.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100636669.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Java</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="indentation">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9649044.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9649044.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20200402232859826.jpeg?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Spring项目</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8714916.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8714916.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100423379.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">计算机网络</span>

</span>

<span class="count float-right">6篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9403145.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9403145.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100301395.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">测试环境搭建</span>

</span>

<span class="count float-right">4篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8809936.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8809936.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100437129.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Android测试</span>

</span>

<span class="count float-right">7篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8721093.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8721093.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100010417.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">自动化测试</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8714919.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8714919.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100536841.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">SSM框架</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8940477.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8940477.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100558464.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">软件安装/环境变量配置</span>

</span>

<span class="count float-right">14篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9054490.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9054490.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100624128.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">性能测试</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="indentation">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9053702.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9053702.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100611976.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">JMeter性能测试</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9042501.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9042501.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100147786.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">干货</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9038999.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9038999.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/2019100710072331.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Git</span>

</span>

<span class="count float-right">4篇</span>

</a>

</li>

</ul>

</div>

<p class="text-center">

<a class="flexible-btn" data-fbox="aside-archive"><img class="look-more" src="https://csdnimg.cn/release/blogv2/dist/pc/img/arrowDownBlack.png" alt=""></a>

</p>

</div>

<div id="asideNewComments" class="aside-box">

<h3 class="aside-title">最新评论</h3>

<div class="aside-content">

<ul class="newcomment-list">

<li>

<a class="title text-truncate" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/article/details/89287926#comments\_17940271" data-report-click='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/89287926#comments\_17940271","ab":"new"}' data-report-view='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/89287926#comments\_17940271","ab":"new"}'>测试用例和缺陷报告（项目实例）</a>

<p class="comment ellipsis">

<a href="https://blog.csdn.net/chengxuyuan316" class="user-name" target="\_blank">LYHJ403: </a>

<span class="code-comments"><img src="https://g.csdnimg.cn/static/face/emoji/055.png" alt='表情包' ></span>

</p>

</li>

<li>

<a class="title text-truncate" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/article/details/88313053#comments\_17823116" data-report-click='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/88313053#comments\_17823116","ab":"new"}' data-report-view='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/88313053#comments\_17823116","ab":"new"}'>测试用例附实例</a>

<p class="comment ellipsis">

<a href="https://blog.csdn.net/xinjie9527" class="user-name" target="\_blank">xinjie9527: </a>

<span class="code-comments">是的 。 事例 测试其实特别细致的。</span>

</p>

</li>

<li>

<a class="title text-truncate" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/article/details/102504285#comments\_17760863" data-report-click='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/102504285#comments\_17760863","ab":"new"}' data-report-view='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/102504285#comments\_17760863","ab":"new"}'>linux用ifconfig查不到IP的解决办法</a>

<p class="comment ellipsis">

<a href="https://blog.csdn.net/m0\_55577215" class="user-name" target="\_blank">m0\_55577215: </a>

<span class="code-comments">厉害厉害！！</span>

</p>

</li>

<li>

<a class="title text-truncate" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/article/details/104291150#comments\_17742562" data-report-click='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/104291150#comments\_17742562","ab":"new"}' data-report-view='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/104291150#comments\_17742562","ab":"new"}'>Python报错：OSError: cannot open resource</a>

<p class="comment ellipsis">

<a href="https://blog.csdn.net/Karl\_Bellows" class="user-name" target="\_blank">Karl\_Bellows: </a>

<span class="code-comments">感谢</span>

</p>

</li>

<li>

<a class="title text-truncate" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/article/details/100180136#comments\_17736678" data-report-click='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/100180136#comments\_17736678","ab":"new"}' data-report-view='{"mod":"popu\_542","spm":"1001.2101.3001.4231","dest":"https://blog.csdn.net/weixin\_41948075/article/details/100180136#comments\_17736678","ab":"new"}'>BTree和B+Tree详解</a>

<p class="comment ellipsis">

<a href="https://blog.csdn.net/qq\_41619908" class="user-name" target="\_blank">qq\_41619908: </a>

<span class="code-comments">“每个节点都存储key和data，所有节点组成这棵树，并且叶子节点指针为null，叶子结点不包含任何关键字信息”,请问你这个叶子节点不包含任何关键字信息这么理解的？</span>

</p>

</li>

</ul>

</div>

</div>

<div id="asideNewNps" class="aside-box">

<h3 class="aside-title">您愿意向朋友推荐“博客详情页”吗？</h3>

<div class="aside-content">

<ul class="newnps-list">

<li class="newnps-item" data-type="强烈不推荐">

<div class="newnps-img-box">

<img class="newnps-img active" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeel1.png" alt="">

<img class="newnps-img default" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeelGrey1.png" alt="">

</div>

<div class="newnps-text">强烈不推荐</div>

</li>

<li class="newnps-item" data-type="不推荐">

<div class="newnps-img-box">

<img class="newnps-img active" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeel2.png" alt="">

<img class="newnps-img default" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeelGrey2.png" alt="">

</div>

<div class="newnps-text">不推荐</div>

</li>

<li class="newnps-item" data-type="一般般">

<div class="newnps-img-box">

<img class="newnps-img active" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeel3.png" alt="">

<img class="newnps-img default" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeelGrey3.png" alt="">

</div>

<div class="newnps-text">一般般</div>

</li>

<li class="newnps-item" data-type="推荐">

<div class="newnps-img-box">

<img class="newnps-img active" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeel4.png" alt="">

<img class="newnps-img default" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeelGrey4.png" alt="">

</div>

<div class="newnps-text">推荐</div>

</li>

<li class="newnps-item" data-type="强烈推荐">

<div class="newnps-img-box">

<img class="newnps-img active" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeel5.png" alt="">

<img class="newnps-img default" src="https://csdnimg.cn/release/blogv2/dist/pc/img/npsFeelGrey5.png" alt="">

</div>

<div class="newnps-text">强烈推荐</div>

</li>

</ul>

<div class="newnps-form-box">

<div class="newnps-form">

<input type="text" placeholder="请输入建议或反馈后点击提交" class="newnps-input">

<span class="newnps-btn">提交</span>

</div>

</div>

</div>

</div>

<div id="asideArchive" class="aside-box" style="display:block!important; width:300px;">

<h3 class="aside-title">最新文章</h3>

<div class="aside-content">

<ul class="inf\_list clearfix">

<li class="clearfix">

<a href="https://blog.csdn.net/weixin\_41948075/article/details/109147397" target="\_blank" data-report-click='{"mod":"popu\_382","spm":"1001.2101.3001.4136","dest":"https://blog.csdn.net/weixin\_41948075/article/details/109147397","ab":"new"}' data-report-view='{"mod":"popu\_382","dest":"https://blog.csdn.net/weixin\_41948075/article/details/109147397","ab":"new"}'>jenkins 启动报错 /usr/libexec/java\_home/bin/java: Not a directory</a>

</li>

<li class="clearfix">

<a href="https://blog.csdn.net/weixin\_41948075/article/details/108901861" target="\_blank" data-report-click='{"mod":"popu\_382","spm":"1001.2101.3001.4136","dest":"https://blog.csdn.net/weixin\_41948075/article/details/108901861","ab":"new"}' data-report-view='{"mod":"popu\_382","dest":"https://blog.csdn.net/weixin\_41948075/article/details/108901861","ab":"new"}'>Mac上搭建centOS虚拟机</a>

</li>

<li class="clearfix">

<a href="https://blog.csdn.net/weixin\_41948075/article/details/100712855" target="\_blank" data-report-click='{"mod":"popu\_382","spm":"1001.2101.3001.4136","dest":"https://blog.csdn.net/weixin\_41948075/article/details/100712855","ab":"new"}' data-report-view='{"mod":"popu\_382","dest":"https://blog.csdn.net/weixin\_41948075/article/details/100712855","ab":"new"}'>QPS和TPS的区别、负载和压力测试的区别</a>

</li>

</ul>

<div class="archive-bar"></div>

<div class="archive-box">

<div class="archive-list-item"><a href="https://blog.csdn.net/weixin\_41948075/article/month/2020/10" target="\_blank" data-report-click='{"mod":"popu\_538","spm":"1001.2101.3001.4138","ab":"new","dest":""}'><span class="year">2020年</span><span class="num">25篇</span></a></div>

<div class="archive-list-item"><a href="https://blog.csdn.net/weixin\_41948075/article/month/2019/12" target="\_blank" data-report-click='{"mod":"popu\_538","spm":"1001.2101.3001.4138","ab":"new","dest":""}'><span class="year">2019年</span><span class="num">88篇</span></a></div>

</div>

</div>

</div>

<div id="footerRightAds" class="isShowFooterAds">

<div class="aside-box">

<div id="kp\_box\_57" data-pid="57"><script async src="https://pagead2.googlesyndication.com/pagead/js/adsbygoogle.js"></script>

<!-- PC-博客详情页-矩形-左下视窗（自适应） -->

<ins class="adsbygoogle"

style="display:block"

data-ad-client="ca-pub-1076724771190722"

data-ad-slot="1894159733"

data-ad-format="auto"

data-full-width-responsive="true"></ins>

<script>

(adsbygoogle = window.adsbygoogle || []).push({});

</script><img class="pre-img-lasy" data-src="https://kunyu.csdn.net/1.png?p=57&a=707&c=0&k=&spm=1001.2101.3001.5001&d=1&t=3&u=35184e56e974426299ab73acc0dcdf02" style="display: block;width: 0px;height: 0px;"></div>

</div>

</div>

<!-- 详情页显示目录 -->

<!--文章目录-->

<div id="asidedirectory" class="aside-box">

<div class='groupfile' id="directory">

<h3 class="aside-title">目录</h3>

<div class="align-items-stretch group\_item">

<div class="pos-box">

<div class="scroll-box">

<div class="toc-box"></div>

</div>

</div>

</div>

</div>

</div>

</aside>

<script>

$("a.flexible-btn").click(function(){

$(this).parents('div.aside-box').removeClass('flexible-box');

$(this).parents("p.text-center").remove();

})

</script>

<script type="text/javascript" src="https://g.csdnimg.cn/user-tooltip/2.5/user-tooltip.js"></script>

<script type="text/javascript" src="https://g.csdnimg.cn/user-medal/1.0.7/user-medal.js"></script> </div>

<div class="recommend-right align-items-stretch clearfix" id="rightAside" data-type="recommend">

<aside class="recommend-right\_aside">

<div id="recommend-right" >

<div class='flex-column aside-box groupfile' id="groupfile">

<div class="groupfile-div">

<h3 class="aside-title">目录</h3>

<div class="align-items-stretch group\_item">

<div class="pos-box">

<div class="scroll-box">

<div class="toc-box"></div>

</div>

</div>

</div>

</div>

</div>

<div id="recommendAdBox">

<div id="kp\_box\_479" data-pid="479"><div class="\_01tb030xmgy3"></div>

<script type="text/javascript">

(window.slotbydup = window.slotbydup || []).push({

id: "u4269298",

container: "\_01tb030xmgy3",

async: true

});

</script>

<!-- 多条广告如下脚本只需引入一次 -->

<script type="text/javascript" src="//cpro.baidustatic.com/cpro/ui/cm.js" async="async" defer="defer" >

</script><img class="pre-img-lasy" data-src="https://kunyu.csdn.net/1.png?p=479&a=1440&c=0&k=&spm=1001.2101.3001.4834&d=1&t=3&u=fcc7318ed296405693fdae1112bc5c6d" style="display: block;width: 0px;height: 0px;"></div>

</div>

<div class='aside-box kind\_person d-flex flex-column'>

<h3 class="aside-title">分类专栏</h3>

<div class="align-items-stretch kindof\_item" id="kind\_person\_column">

<div class="aside-content">

<ul>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8714921.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8714921.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100230268.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">软件测试</span>

</span>

<span class="count float-right">27篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_10824091.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_10824091.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20201014180756927.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">杂记</span>

</span>

</a>

</li>

<li class="indentation">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8715530.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8715530.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100453222.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">软件测试面试题</span>

</span>

<span class="count float-right">6篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9723317.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9723317.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20200402232833597.jpeg?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Python</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9866046.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9866046.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20200402232738768.jpeg?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">solve problems</span>

</span>

<span class="count float-right">15篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9160522.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9160522.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/2019100710050647.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Linux命令</span>

</span>

<span class="count float-right">10篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9303964.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9303964.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100317382.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">数据结构</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8850992.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8850992.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100521453.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">数据库</span>

</span>

<span class="count float-right">8篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8853050.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8853050.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100636669.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Java</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="indentation">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9649044.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9649044.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20200402232859826.jpeg?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Spring项目</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8714916.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8714916.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100423379.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">计算机网络</span>

</span>

<span class="count float-right">6篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9403145.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9403145.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100301395.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">测试环境搭建</span>

</span>

<span class="count float-right">4篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8809936.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8809936.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100437129.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Android测试</span>

</span>

<span class="count float-right">7篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8721093.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8721093.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100010417.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">自动化测试</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8714919.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8714919.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100536841.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">SSM框架</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_8940477.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_8940477.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100558464.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">软件安装/环境变量配置</span>

</span>

<span class="count float-right">14篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9054490.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9054490.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100624128.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">性能测试</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="indentation">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9053702.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9053702.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100611976.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">JMeter性能测试</span>

</span>

<span class="count float-right">3篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9042501.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9042501.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/20191007100147786.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">干货</span>

</span>

<span class="count float-right">2篇</span>

</a>

</li>

<li class="">

<a class="clearfix" target="\_blank" href="https://blog.csdn.net/weixin\_41948075/category\_9038999.html" data-report-click='{"mod":"popu\_537","spm":"1001.2101.3001.4137","strategy":"pc付费专栏左侧入口","dest":"https://blog.csdn.net/weixin\_41948075/category\_9038999.html","ab":"new"}'>

<img src="https://img-blog.csdnimg.cn/2019100710072331.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64" alt="" onerror="this.src='https://img-blog.csdnimg.cn/20201014180756922.png?x-oss-process=image/resize,m\_fixed,h\_64,w\_64'">

<span class="title oneline">

<span class="text">Git</span>

</span>

<span class="count float-right">4篇</span>

</a>

</li>

</ul>

</div>

</div>

</div>

</div>

</aside>

</div>

</div>

<div class="mask-dark"></div>

<script type="text/javascript">

var timert = setInterval(function(){

sideToolbar = $(".csdn-side-toolbar");

if (sideToolbar.length > 0) {

sideToolbar.css('cssText','bottom:64px !important;')

clearInterval(timert);

}

}, 200);

</script>

<script>

var articleId = 88625382;

var commentscount = 0;

var curentUrl = "https://blog.csdn.net/weixin\_41948075/article/details/88625382";

var myUrl = "https://my.csdn.net/";

var highlight = ["计算机网络","软件测试","面试题","tcp","和","udp","常问","--","相关","网络协议"];//高亮数组

var isRecommendModule = true;

var isBaiduPre = true;

var baiduCount = 2;

var share\_card\_url = "https://blog.csdn.net/weixin\_41948075/article/shareArticleCardPage?article\_id=88625382"

var articleType = 1;

var baiduKey = "软件测试网络协议面试题";

var userNewReport = false;

var needInsertBaidu = true;

var recommendRegularDomainArr = ["blog.csdn.net/.+/article/details/","download.csdn.net/download/","edu.csdn.net/course/detail/","ask.csdn.net/questions/","bbs.csdn.net/topics/","www.csdn.net/gather\_.+/"]

var codeStyle = "tomorrow-night";

var baiduSearchType = "baidulandingword";

var canRead = true;

var blogMoveHomeArticle = false;

var showPcWindowAd = false;

var showSearchText = "";

var linkPage = true;

var articleSource = 1;

var articleReport = '{"pid": "blog", "spm":"1001.2101"}';

var isShowToQuestion = false;

var baiduSearchChannel = 'pc\_relevant'

var baiduSearchIdentification = '.base'

var initRewardObject = {

giver: currentUserName,

anchor: username,

articleId: articleId,

sign: ''

}

</script>

<script src="https://csdnimg.cn/public/sandalstrap/1.4/js/sandalstrap.min.js"></script>

<div class="skin-boxshadow"></div>

<div class="directory-boxshadow"></div>

<div class="pay-code">

<div class="pay-money">实付<span class="pay-money-span" data-nowprice='' data-oldprice=''>元</span></div>

<div class="content-blance"><a class="blance-bt" href="javascript:;">使用余额支付</a></div>

<div class="content-code">

<div id="payCode" data-id="">

<div class="renovate">

<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/pay-time-out.png">

<span>点击重新获取</span>

</div>

</div>

<div class="pay-style"><span><img src="https://csdnimg.cn/release/blogv2/dist/pc/img/weixin.png"></span><span><img src="https://csdnimg.cn/release/blogv2/dist/pc/img/zhifubao.png"></span><span><img src="https://csdnimg.cn/release/blogv2/dist/pc/img/jingdong.png"></span><span class="text">扫码支付</span></div>

</div>

<div class="bt-close"><svg t="1567152543821" class="icon" viewBox="0 0 1024 1024" version="1.1" xmlns="http://www.w3.org/2000/svg" p-id="10924" xmlns:xlink="http://www.w3.org/1999/xlink" width="12" height="12"><defs><style type="text/css"></style></defs><path d="M512 438.378667L806.506667 143.893333a52.032 52.032 0 1 1 73.6 73.621334L585.621333 512l294.485334 294.485333a52.074667 52.074667 0 0 1-73.6 73.642667L512 585.621333 217.514667 880.128a52.053333 52.053333 0 1 1-73.621334-73.642667L438.378667 512 143.893333 217.514667a52.053333 52.053333 0 1 1 73.621334-73.621334L512 438.378667z" fill="" p-id="10925"></path></svg></div>

<!-- <p style="margin-top: 8px;font-size: 14px;" class="text-center">支付成功即可阅读</p> -->

<div class="pay-balance">

<input type="radio" class="pay-code-radio" data-type="details">

<span class="span">钱包余额</span>

<span class="balance" style="color:#FC5531;font-size:14px;">0</span>

<div class="pay-code-tile">

<img src="https://csdnimg.cn/release/blogv2/dist/pc/img/pay-help.png" alt="">

<div class="pay-code-content">

<div class="span">

<p class="title">抵扣说明：</p>

<p> 1.余额是钱包充值的虚拟货币，按照1:1的比例进行支付金额的抵扣。<br> 2.余额无法直接购买下载，可以购买VIP、C币套餐、付费专栏及课程。</p>

</div>

</div>

</div>

</div>

<a class="pay-balance-con" href="https://i.csdn.net/#/wallet/balance/recharge" target="\_blank"><img src="https://csdnimg.cn/release/blogv2/dist/pc/img/recharge.png" alt=""><span >余额充值</span></a>

</div>

<div style="display:none;">

<img src="" onerror='setTimeout(function(){if(!/(csdn.net|iteye.com|baiducontent.com|googleusercontent.com|360webcache.com|sogoucdn.com|bingj.com|baidu.com)$/.test(window.location.hostname)){window.location.href="\x68\x74\x74\x70\x73\x3a\x2f\x2f\x77\x77\x77\x2e\x63\x73\x64\x6e\x2e\x6e\x65\x74"}},3000);'>

</div>

</body>

<script src="https://csdnimg.cn/release/blogv2/dist/components/js/pc\_wap\_highlight-db1e81323a.min.js" type="text/javascript"></script>

<script src="https://csdnimg.cn/release/blogv2/dist/components/js/pc\_wap\_common-92b7ac5d88.min.js" type="text/javascript"></script>

<link rel="stylesheet" href="https://csdnimg.cn/release/blog\_editor\_html/release1.6.12/ckeditor/plugins/codesnippet/lib/highlight/styles/tomorrow-night.css">

<script>

// 全局声明

if (window.csdn === undefined) {

window.csdn = {};

}

window.csdn.sideToolbar = {

options: {

report:{

isShow: true,

},

qr: {

isShow: false,

},

guide: {

isShow: true

}

}

}

$(function(){

$(document).on('click',"a.option-box[data-type='report']",function() {

window.csdn.userLogin.loadAjax(function(res){

if(userNewReport){

showReportNew(false,articleTitles);

}else{

showReport(false,articleTitles);

}

})

});

})

</script>

<script src="https://g.csdnimg.cn/baidu-search/1.0.9/baidu-search.js" type="text/javascript"></script>

<script src="https://csdnimg.cn/release/download/old\_static/js/qrcode.js"></script>

<script src="https://g.csdnimg.cn/lib/qrcode/1.0.0/qrcode.min.js"></script>

<script src="https://g.csdnimg.cn/user-ordercart/2.0.6/user-ordercart.js" type="text/javascript"></script>

<script src="https://g.csdnimg.cn/user-ordertip/4.1.3/user-ordertip.js" type="text/javascript" ></script>

<script src="https://csdnimg.cn/release/blogv2/dist/pc/js/common-8c26e24948.min.js" type="text/javascript"></script>

<script src="https://csdnimg.cn/release/blogv2/dist/pc/js/detail-41a2951185.min.js" type="text/javascript"></script>

<script src="https://csdnimg.cn/release/blogv2/dist/pc/js/column-83c4bf36a2.min.js" type="text/javascript"></script>

<script src="https://g.csdnimg.cn/side-toolbar/3.0/side-toolbar.js" type="text/javascript"></script>

<script src="https://g.csdnimg.cn/copyright/1.0.4/copyright.js" type="text/javascript"></script>

<script>

$(".MathJax").remove();

if ($('div.markdown\_views pre.prettyprint code.hljs').length > 0) {

$('div.markdown\_views')[0].className = 'markdown\_views';

}

</script>

<script type="text/javascript" src="https://csdnimg.cn/release/blog\_mathjax/MathJax.js?config=TeX-AMS-MML\_HTMLorMML"></script>

<script type="text/x-mathjax-config">

MathJax.Hub.Config({

"HTML-CSS": {

linebreaks: { automatic: true, width: "94%container" },

imageFont: null

},

tex2jax: {

preview: "none",

ignoreClass:"title-article"

},

mml2jax: {

preview: 'none'

}

});

</script>

<script type="text/javascript" crossorigin src="https://g.csdnimg.cn/login-box/1.1.4/login-box.js"></script></html>