



链滴

自动备份MySQL数据库（含远程备份）

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<p class="p1"><span class="s1">1、每日备份，按日期生成文件名。</span></p>
<p class="p1"><span class="s1">2、通过SCP远程备份，并只保留最近7天内的副本。</span></p>
<p class="p1"><span class="s1">3、crontab定时任务。</span></p>
<p class="p1"><span class="s1">4、SCP远程备份需要配置SSH免密码登录，详见：<a href="http://siwotech.cn/articles/2016/03/04/1457086630603.html" target="_blank">《SSH免密码登录》</a></span></p>
<p class="p1"><span class="s1">&nbsp;</span></p>
<p class="p1">一、新建mysql_backup.sh脚本，存放在/home/XXX/mysql_backup/目录，具体内容如下：</p>
<p class="p1"><span class="s1">!</bin/bash</span></p>
<p class="p1"><span class="s1"># 当前日期，格式：年月日</span></p>
<p class="p2"><span class="s2">date_str</span><span class="s3">=</span><span class="s1">$(date +%Y-%m-%d)</span></p>
<p class="p3">&nbsp;</p>
<p class="p1"><span class="s1"># 备份并压缩</span></p>
<p class="p4"><span class="s1">echo</span></p>
<p class="p2"><span class="s4">echo</span><span class="s1">$(date +%Y-%m-%d\ %H:%M:%S)</span><span class="s4">'</span><span class="s5">备份并压缩MySQL&hellip;&hellip;</span><span class="s4">'</span></p>
<p class="p5"><span class="s4"># 设置XXX用户目录下的mysql_backup为工作目录</span></p>
<p class="p5"><span class="s4">cd</span><span class="s1"> /home/XXX/mysql_backup</span></p>
<p class="p5"><span class="s1"># 备份192.168.10.163主机上的某个数据库并用gzip压缩成.gz文件，用户名、密码、数据库、IP等请自行替换</span></p>
<p class="p5"><span class="s1">mysqldump -h192.168.10.163 </span><span class="s6">-</span><span class="s1">用户名&nbsp;</span><span class="s6">-p</span><span class="s1">密码&nbsp;</span><span class="s6">-R&nbsp;</span><span class="s1">数据库名&nbsp;</span><span class="s6">-E&nbsp;</span><span class="s1">-e</span><span class="s1"> \</span><span class="s4">\</span></p>
<p class="p5"><span class="s1">&nbsp;</span><span class="s4">| gzip </span><span class="s4">&gt;</span><span class="s1"> /home/XXX/mysql_backup/MySQL_DB_</span><span class="s6">$date_str</span><span class="s1">.sql.gz</span></p>
<p class="p2"><span class="s4">echo</span><span class="s1">$(date +%Y-%m-%d\ %H:%M:%S)</span><span class="s4">'</span><span class="s5">备份完成。</span><span class="s4">'</span></p>
<p class="p3">&nbsp;</p>
<p class="p1"><span class="s1"># 冗余备份</span></p>
<p class="p4"><span class="s1">echo</span></p>
<p class="p2"><span class="s4">echo</span><span class="s1">$(date +%Y-%m-%d\ %H:%M:%S)</span><span class="s4">'</span><span class="s5">上传到服务端&hellip;&hellip;</span><span class="s4">'</span></p>
<p class="p2"><span class="s4">&nbsp;</span></p>
<p class="p2"><span class="s4"># 通过SCP上传到远程服务器的root用户的mysql_backup文件夹，远程主机请自行替换为IP或域名</span></p>
<p class="p5"><span class="s1">scp MySQL_DB_</span><span class="s6">$date_str</span><span class="s1">.sql.gz root@远程主机:~/mysql_backup/</span></p>
<p class="p5"><span class="s1">&nbsp;</span></p>
<p class="p2"><span class="s4">echo</span><span class="s1">$(date +%Y-%m-%d\ %H:%M:%S)</span><span class="s4">'</span><span class="s5">上传完成。</span><span class="s4">'</span></p>
<p class="p3">&nbsp;</p>
<p class="p4"><span class="s1">echo</span></p>
<p class="p2"><span class="s4">echo</span><span class="s1">$(date +%Y-%m-%d\ %H:

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M:%S) </span> <span class="s4">'</span> <span class="s5">删除过期的备份&hellip;&hellip;</span> <span class="s4">'</span> </p>
<p class="p2"><span class="s4">&nbsp;</span></p>
<p class="p2"><span class="s4"># 删除100天前的本地备份</span></p>
<p class="p5"><span class="s4">find</span> <span class="s1"> /home/XXX/mysql_backup</span> <span class="s6">-name</span> <span class="s4">"MySQL_DB</span> <span class="s5">*</span> <span class="s4">"</span> <span class="s6">-type</span> <span class="s1">f</span> <span class="s6">-mtime</span> <span class="s6">+100</span> <span class="s6">-exec</span> <span class="s4">rm</span> <span class="s6">{</span> <span class="s1">\;</span> </p>
<p class="p5"><span class="s1">&nbsp;</span></p>
<p class="p5"><span class="s1"># 删除远程主机上10天前的备份</span></p>
<p class="p6"><span class="s3">ssh root@远程主机&nbsp;</span> <span class="s4">"</span> <span class="s1">find ~/mysql_backup -name 'MySQL_DB_*' -type f -mtime +10 -exec rm { \;</span> <span class="s4">"</span></p>
<p class="p6"><span class="s4">&nbsp;</span></p>
<p class="p2"><span class="s4">echo</span> <span class="s1">$(date +%Y-%m-%d\ %H: M:%S)</span> <span class="s4">'</span> <span class="s5">删除完成。</span> <span class="s4">'</span></p>
<p class="p3">&nbsp;</p>
<p class="p4"><span class="s1">echo</span></p>
<p class="p2"><span class="s4">echo</span> <span class="s1">$(date +%Y-%m-%d\ %H: M:%S)</span> <span class="s4">'</span> <span class="s5">备份完成。</span> <span class="s4">'</span></p>
<p class="p2"><span class="s4">&nbsp;</span></p>
<p class="p2"><span class="s4">二、 crontab定时任务</span></p>
<p class="p2"><span class="s4">1、</span> <span class="s4">${&nbsp;</span> <span class="s4">sudo crontab -e</span></p>
<p class="p2">2、在最后一行加入:</p>
<p class="p1"><span class="s1">30</span> <span class="s2">&nbsp;</span> <span class="s3">&nbsp;</span> <span class="s1">*</span> <span class="s2">*&nbsp;</span> <span class="s5">/home/XXX/mysql_backup/mysql_backup.sh &gt;&gt; /home/XXX/mysql_backup/mysql_backup.log</span></p>
<p class="p1"><span class="s5">3、此行包含两部分:</span></p>
<p class="p1"><span class="s5">a) 30 2 * * *: 每天凌晨2点半执行, 30分, 2时, 后面的3个*对日、月、年; 每两小时执行的cron表达式为: 0 */2 * * *</span></p>
<p class="p1"><span class="s5">b)&nbsp;</span> <span class="s5">/home/XXX/mysql_backup/mysql_backup.sh &gt;&gt; /home/XXX/mysql_backup/mysql_backup.log , 执行mysql_backup.sh脚本, 并将日志输出到mysql_backup.log</span></p>
<p class="p1"><span class="s5">4、启动cron服务</span></p>
<p class="p1"><span class="s5">${ sudo service cron restart</span></p>
<p class="p1"><span class="s5">&nbsp;</span></p>
<p class="p1"><span class="s5">静等执行&hellip;&hellip;</span></p>

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