

# H2database 数据库连接 URL 说明

作者: [xunxiake](#)

原文链接: <https://ld246.com/article/1493196785376>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

**数据库连接 URL说明**

&nbsp;

数据库支持多种连接模式和连接设置，不同的连接模式和连接设置是通过不同的URL来区分的，URL中的设置是不区分大小写。

--	--

--	--

--	--

--	--

	Topic
--	-------

--	--

--	--

	URL Format and Examples
--	-------------------------

--	--

--	--

--	--

--	--

	<u><a href="http://www.h2database.com/html/features.html#embedded_databases" target="_blank">嵌入式（本地）连接</a></u>
--	--

--	--

--	--

	<code>jdbc:h2:[file:][&amp;lt;path&amp;gt;]&amp;lt;databaseName&amp;gt;</code> <code>jdbc:h2:~/test</code> <code>jdbc:h2:file:/data/sample</code> <code>jdbc:h2:file:C:/data/sample (Windows only)</code>
--	--

--	--

--	--

--	--

	<u><a href="http://www.h2database.com/html/features.html#in_memory_databases" target="_blank">内存数据库（私有）</a></u>
--	---

--	--

--	--

--	--

	<code>jdbc:h2:mem:</code>
--	---------------------------

--	--

--	--

--	--

--	--

	<u><a href="http://www.h2database.com/html/features.html#in_memory_databases" target="_blank">内存数据库（被命名）</a></u>
--	--

--	--

--	--

	<code>jdbc:h2:mem:&amp;lt;databaseName&amp;gt;</code> <code>jdbc:2:mem:test_mem</code>
--	---

--	--

--	--

--	--

--	--

	<u><a href="http://www.h2database.com/html/tutorial.html#using_server" target="_blank">使用</a></u> <u><a href="http://www.h2database.com/html/tutorial.html#using_server" target="_blank">使用</a></u> <u><a href="http://www.h2database.com/html/tutorial.html#using_server" target="_blank">CP/I</a></u> <u><a href="http://www.h2database.com/html/tutorial.html#using_server" target="_blank">P</a></u>
--	---

[orial.html#using\\_server](#) > 的服务器模式 (远程连接) </span> </a> </span> </p>
 <p> <span>&nbsp;</span> </p>
 </td>
 <td valign="top">
 <p> <span>jdbc:h2:tcp://&lt;server&gt;[:&lt;port&gt;]/[&lt;path&gt;]&lt;databaseName&gt;</span> <span><br /></span> <span>jdbc:h2:tcp://localhost/~</span> <span><br /></span> </p>
 <p> <span>jdbc:h2:tcp://db<span>serv:8084/~</span>/sample</span> </p>
 </td>
 </tr>
 <tr>
 <td valign="top">
 <p> <span style="text-decoration: underline;"> <span><a target="\_blank" href="http://www.2database.com/html/advanced.html#ssl\_tls\_connections"> <span>使用</span> </a> </span> <a target="\_blank" href="http://www.h2database.com/html/advanced.html#ssl\_tls\_connections"> <span>SSL/TLS</span> </a> <a target="\_blank" href="http://www.h2database.com/html/advanced.html#ssl\_tls\_connections"> <span>的服务器模式 (远程连接)</span> </a> </span> </p>
 <p> <span>&nbsp;</span> </p>
 </td>
 <td valign="top">
 <p> <span>jdbc:h2:ssl://&lt;server&gt;[:&lt;port&gt;]/&lt;databaseName&gt;</span> <span><br /></span> <span>jdbc:h2:ssl://se<span>coreserv:8085/~</span>/sample;</span> </p>
 </td>
 </tr>
 <tr>
 <td valign="top">
 <p> <span style="text-decoration: underline;"> <span><a target="\_blank" href="http://www.2database.com/html/features.html#file\_encryption"> <span>使用加密文件</span> </a> </span> </p>
 </td>
 <td valign="top">
 <p> <span>jdbc:h2:&lt;url&gt;;CIPHER=[AES|XTEA]</span> <span><br /></span> <span>jd<span>c:h2:ssl://se<span>coreserv/~</span>/testdb;CIPHER=AES</span> <span><br /></span> <span>jdbc:h2:file<span>~/secure;CIPHER=XTEA</span> </p>
 </td>
 </tr>
 <tr>
 <td valign="top">
 <p> <span style="text-decoration: underline;"> <span><a target="\_blank" href="http://www.2database.com/html/features.html#database\_file\_locking"> <span>文件锁</span> </a> </span> </p>
 </td>
 <td valign="top">
 <p> <span>jdbc:h2:&lt;url&gt;;FILE\_LOCK={NO|FILE|SOCKET}</span> <span><br /></span> <span>jd<span>c:h2:file:~/quickAndDirty;FILE\_LOCK=NO</span> <span><br /></span> <span>jdbc<span>h2:file:~/private;CIPHER=XTEA;FILE\_LOCK=SOCKET</span> </p>
 </td>
 </tr>
 <tr>
 <td valign="top">
 <p> <span style="text-decoration: underline;"> <span><a target="\_blank" href="http://www.2database.com/html/features.html#database\_only\_if\_exists"> <span>仅打开存在的数据库</span> </a> </span> </p>
 </td>

```

<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;IFEXISTS=TRUE</span><span><br /></span><span>jdbc:h2
file:~/sample;IFEXISTS=TRUE</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#do_not_close_on_exit"><span>当虚拟机退出时并不关闭数
库</span></a></span></span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;DB_CLOSE_ON_EXIT=FALSE</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#passwords"><span>用户名和密码</span></a></span><
span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;[USER=&lt;username&gt;];PASSWORD=&lt;value&gt;]</spa
><span><br /></span><span>jdbc:h2:file:~/sample;USER=sa;PASSWORD=123</span></p>

</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#log_index_changes"><span>更新记入索引</span></a><
span></span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;LOG=2</span><span><br /></span><span>jdbc:h2:file:~/s
mple;LOG=2</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#trace_options"><span>调试跟踪项设置</span></a></sp
n></span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;TRACE_LEVEL_FILE=&lt;level 0..3&gt;</span><span><br /></
pan><span>jdbc:h2:file:~/sample;TRACE_LEVEL_FILE=3</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#ignore_unknown_settings"><span>忽略位置参数设置</sp
n></a></span></span></p>

```

```

</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;IGNORE_UNKNOWN_SETTINGS=TRUE</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#custom_access_mode"><span>指定文件读写模式</span>
/a></span></span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;ACCESS_MODE_LOG=rws;ACCESS_MODE_DATA=rws</span>
/p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#database_in_zip"><span>在</span></a></span><span>
Zip</span><span>文件中的数据库</span></span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:zip:&lt;zipFileName&gt;!/&lt;databaseName&gt;</span><span><br /><
span><span>jdbc:h2:zip:~/db.zip!/test</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#compatibility"><span>兼容模式</span></a></span></
pan></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;MODE=&lt;databaseType&gt;</span><span><br /></span>
<span>jdbc:h2:~/test;MODE=MYSQL</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#auto_reconnect"><span>自动重连接</span></a></span>
</span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;AUTO_RECONNECT=TRUE</span><span><br /></span><span>
n>jdbc:h2:tcp://localhost/~/test;AUTO_RECONNECT=TRUE</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#auto_mixed_mode"><span>自动混合模式</span></a></
pan></span></p>

```

```
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;AUTO_SERVER=TRUE</span><span><br /></span><span>j
bc:h2:~/test;AUTO_SERVER=TRUE</span></p>
</td>
</tr>
<tr>
<td valign="top">
<p><span style="text-decoration: underline;"><span><a target="_blank" href="http://www.
2database.com/html/features.html#other_settings"><span>更改其他设置</span></a></spa
></span></p>
</td>
<td valign="top">
<p><span>jdbc:h2:&lt;url&gt;;&lt;setting&gt;=&lt;value&gt;;&lt;setting&gt;=&lt;value&gt;...
</span><span><br /></span><span>jdbc:h2:file:~/sample;TRACE_LEVEL_SYSTEM_OUT=3<
span></p>
<div><span>&nbsp;</span></div>
</td>
</tr>
</tbody>
</table>
```