

nginx rewrite执行顺序 (二)

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原文链接: <https://ld246.com/article/1453775512099>

来源网站: 链滴

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


```

rewrite_log on;
}
location /bbb.html {
rewrite "^/bb\.html$" /ccc.html;
}
location /ddd.html {
rewrite "^/ddd\.html$" /eee.html;
}
}
}
rewrite "^/aaa\.html$" /bbb.html;
rewrite "^/ccc\.html$" /ddd.html;
}
}

```

结果是不会受影响的，也就是说location匹配迭代总是先执行server级rewrite，再进行location配，再执行location级的rewrite，如果URI因location级rewrite指令重写，则需要进行下一次迭代。总的迭代次数不超过10次，否则nginx报500错误。

简单伪代码描述下rewrite执行过程：

```

boolean match_finish = false;
int match_count = 0;
while(!match_finish & match_count < 10) {
    (1) 按编辑顺序执行server级的rewrite指令;
    (2) 按重写后的URI匹配location;
    String uri_before_location = uri;
    按编辑顺序执行location级的rewrite指令;
    String uri_after_location = rewrite(uri);
    if(uri_before_location != uri_after_location) {
        match_finish = false;
    }
    else {
        match_finish = true;
    }
    if(location rewrite has last flag) {
        continue;//表示不执行后面的rewrite，直接进入下一次迭代
    }
    if(location rewrite has break flag) {
        break;//表示不执行后面的rewrite，并退出循环迭代
    }
}
if(match_count <= 10) {
    return HTTP_200;
} else {
    return HTTP_500;
}

```