



链滴

SQLServer 的 HTTP 请求功能

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原文链接: <https://ld246.com/article/1638519919167>

来源网站: [链滴](#)

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



1、开启通信配置

```
sp_configure 'show advanced options', 1;  
GO  
RECONFIGURE;  
GO  
sp_configure 'Ole Automation Procedures', 1;  
GO  
RECONFIGURE;  
GO  
EXEC sp_configure 'Ole Automation Procedures';  
GO
```

2、创建请求函数

```
CREATE FUNCTION dbo.HTTP_POST_FUNC(  
    @URL VARCHAR(256),  
    @DATA VARCHAR(2000),  
    @REQ_H_ACCEPT VARCHAR(256),  
    @REQ_H_CONTENT_TYPE VARCHAR(256)  
)  
RETURNS VARCHAR(5000)  
AS  
BEGIN  
    DECLARE  
        @object int,  
        @returnStatus int,  
        @returnText varchar(5000),  
        @errMsg varchar(2000),  
        @httpStatus varchar(20);
```

```

/* 初始化 */
EXEC @returnStatus = SP_OACreate 'Msxml2.ServerXMLHTTP.3.0',@object OUT;

IF @returnStatus <> 0
BEGIN
    EXEC SP_OAGetErrorInfo @object, @errMsg OUT, @returnText OUT;
    RETURN ('初始化对象失败, ' + @errMsg + ISNULL(@returnText, ''));
END

/* 创建链接 */
EXEC @returnStatus= SP_OAMethod @object,'open',NULL,'post',@URL,'false';

IF @returnStatus <> 0
BEGIN
    EXEC SP_OAGetErrorInfo @object, @errMsg OUT, @returnText OUT;
    RETURN ('创建连接失败, ' + @errMsg + ISNULL(@returnText, ''));
END

EXEC @returnStatus=SP_OAMethod @object,'setRequestHeader',NULL,'Accept',@REQ_H_
CCEPT;
EXEC @returnStatus=SP_OAMethod @object,'setRequestHeader',NULL,'Content-Type',@R
Q_H_CONTENT_TYPE;
EXEC @returnStatus=SP_OAMethod @object,'setRequestHeader',NULL,'Content-Length','1
00000';

/* 发起请求 */
EXEC @returnStatus= SP_OAMethod @object,'send',NULL,@DATA;
IF @returnStatus <> 0
BEGIN
    EXEC SP_OAGetErrorInfo @object, @errMsg OUT, @returnText OUT;
    RETURN ('发起请求失败, ' + @errMsg + ISNULL(@returnText, ''));
END
/* 获取HTTP状态代码 */
EXEC @returnStatus = SP_OAGetProperty @Object, 'Status', @httpStatus OUT;

IF @returnStatus <> 0
BEGIN
    EXEC sp_OAGetErrorInfo @Object, @errMsg OUT, @returnText OUT;
    RETURN ('获取HTTP状态代码失败, ' + @errMsg + ISNULL(@returnText, ''));
END
IF @httpStatus <> 200
BEGIN
    RETURN ('访问错误, HTTP状态代码:' + @httpStatus);
END
/* 获取返回信息 */
EXEC @returnStatus= SP_OAGetProperty @object,'responseText',@returnText OUT;
IF @returnStatus <> 0
BEGIN
    EXEC SP_OAGetErrorInfo @object, @errMsg OUT, @returnText OUT;
    RETURN ('获取返回信息失败, ' + @errMsg + ISNULL(@returnText, ''));
END
RETURN @returnText;
END;

```

3、调用请求函数

```
select dbo.HTTP_POST_FUNC('http://127.0.0.1:8081/dataApi',  
    '{"operation":"postHttpRequest"}',  
    'application/json',  
    'application/json');
```