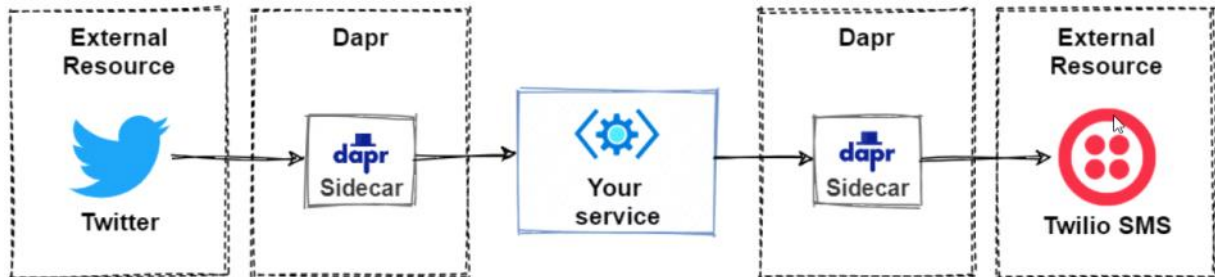


# 第09期-输入与输出绑定构建块

2022年7月22日 14:08

## 输入绑定和输出绑定



## 支持的绑定组件

<https://github.com/dapr/components-contrib/tree/master/bindings>

<https://docs.dapr.io/reference/components-reference/supported-bindings>

## 配置邮件发送 SMTP 输出绑定

### email.yaml

```
apiVersion: dapr.io/v1alpha1
kind: Component
metadata:
  name: mysmtp
  namespace: default
spec:
  type: bindings.smtp
  version: v1
  metadata:
    - name: host
      value: "smtp host"
    - name: port
      value: "smtp port"
    - name: user
      value: "username"
    - name: password
      value: "password"
```

```
[HttpGet]
public async Task<IActionResult> SendEmailAsync()
{
    var metadata = new Dictionary<string, string>
```

```

    {
        ["emailFrom"]="admin@hello.com",
        ["emailTo"] = "zhangsan@qq.com",
        ["subject"] = "This is a test message"
    };

    string body = "This is a test body";

    await _daprClient.InvokeBindingAsync("mysmtp", "create", body,
metadata);

    return Ok("hello, world!");
}

```

## 使用 Cron 绑定规范实现定时自动任务

### Scheduled.yaml

```

apiVersion: dapr.io/v1alpha1
kind: Component
metadata:
  name: scheduled
  namespace: default
spec:
  type: bindings.cron
  version: v1
  metadata:
    - name: schedule
      value: "@every 5s"

```

可通过 CRON 表达式在线生成器。

```

[HttpPost("scheduled")]
public async Task<IActionResult> ScheduledAsync()
{
    Console.WriteLine(DateTime.Now);

    return await Task.FromResult(Ok());
}

```

## 使用绑定组件执行 SQL 语句

```

{
  "operation": "exec",
  "metadata": {
    "sql": "INSERT INTO foo (id, c1, ts) VALUES (1, 'demo',
'2020-09-24T11:45:05Z07:00')"

```

## 使用绑定组件调用阿里钉钉消息发送与接受接口

```
curl -X POST http://localhost:3500/v1.0/bindings/myDingTalk \  
-H "Content-Type: application/json" \  
-d '{  
  "data": {  
    "msgtype": "text",  
    "text": {  
      "content": "Hi"  
    }  
  },  
  "operation": "create"  
}'
```

## 参考资料

<https://docs.dapr.io/zh-hans/developing-applications/building-blocks/bindings/bindings-overview>

<https://docs.microsoft.com/zh-cn/dotnet/architecture/dapr-for-net-developers/bindings>