**Step 1: Initial Setup**

**Create Services**

1. **Navigate to Services**: Go to **Traffic Management > Load Balancing > Services**.
2. **Add Services**:
   * service-productservice1: IP of IIS1, port 80.
   * service-orderservice1: IP of IIS1, port 80.
   * service-iis2-productservice1: IP of IIS2, port 80.
   * service-iis2-orderservice1: IP of IIS2, port 80.

**Step 2: Create HTTP Profiles**

1. **Navigate to HTTP Profiles**: Go to **System > Profiles > HTTP Profiles**.
2. **Create HTTP Profile**: Enable host header validation if needed.

**Step 3: Create Load Balancing Virtual Server**

1. **Navigate to Virtual Servers**: Go to **Traffic Management > Load Balancing > Virtual Servers**.
2. **Add Virtual Server**:
   * **Name**: LoadBalancerVIPApi
   * **Protocol**: SSL\_TCP (for HTTPS requests)
   * **IP Address**: Your desired VIP
   * **Port**: 443

**Step 4: Bind Services to Virtual Server**

1. **Bind Services**:
   * Bind service-productservice1
   * Bind service-orderservice1
   * Bind service-iis2-productservice1
   * Bind service-iis2-orderservice1

**Step 5: Create Rewrite Actions**

1. **Navigate to Rewrite Actions**: Go to **Traffic Management > Load Balancing > Rewrite > Actions**.
2. **Create Actions**:
   * For IISProductService:

plaintext

Copy

Name: rewrite-iis1-productservice

Action: HTTP.REWRITE.URL

URL: "http://IISProductService/HTTP.REQ.URL.PATH\_AND\_QUERY.AFTER\_STR('/ProductService1')"

* + For IIS2ProductService:

plaintext

Copy

Name: rewrite-iis2-productservice

Action: HTTP.REWRITE.URL

URL: "http://IIS2ProductService/HTTP.REQ.URL.PATH\_AND\_QUERY.AFTER\_STR('/ProductService1')"

**Step 6: Create Rewrite Policies**

1. **Navigate to Rewrite Policies**: Go to **Traffic Management > Load Balancing > Rewrite > Policies**.
2. **Create Policies**:
   * For IISProductService:

plaintext

Copy

Name: policy-iis1-productservice

Expression: HTTP.REQ.URL.PATH.STARTSWITH("/ProductService1")

Action: rewrite-iis1-productservice

* + For IIS2ProductService:

plaintext

Copy

Name: policy-iis2-productservice

Expression: HTTP.REQ.URL.PATH.STARTSWITH("/ProductService1")

Action: rewrite-iis2-productservice

**Step 7: Bind Policies to Virtual Server**

1. **Navigate to Virtual Servers**: Go to **Traffic Management > Load Balancing > Virtual Servers**.
2. **Select Virtual Server**: LoadBalancerVIPApi.
3. **Bind Policies**: Bind both policy-iis1-productservice and policy-iis2-productservice.

**Step 8: Configure Health Checks**

1. **Create HTTP Monitors**:
   * **Navigate to Monitors**: Go to **Traffic Management > Load Balancing > Monitors**.
   * **Add Monitors**: Create HTTP monitors for each service.
     + http-monitor-productservice1: Check http://IISProductService/v1/apiendpoint.
     + http-monitor-iis2-productservice1: Check http://IIS2ProductService/v1/apiendpoint.
     + http-monitor-orderservice1: Check http://IISOrderService1/v1/apiendpoint.
     + http-monitor-iis2-orderservice1: Check http://IIS2OrderService1/v1/apiendpoint.
2. **Bind Monitors**: Bind each monitor to its corresponding service.

**Step 9: Test Configuration**

1. **Verify Services**: Ensure that all services and health checks are UP.
2. **Test URL Rewrites and Load Balancing**:
   * Access https://LoadbalancerVIPApi/ProductService1/v1/apiendpoint to test ProductService.
   * Access https://LoadbalancerVIPApi/OrderService1/v1/apiendpoint to test OrderService.