

Monitoring Your NServiceBus Services



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Overview




ServiceControl

ServicePulse

ServiceInsight









Particular Platform

Logs ✕

Particular Service Platform Installation

Select components to download and install

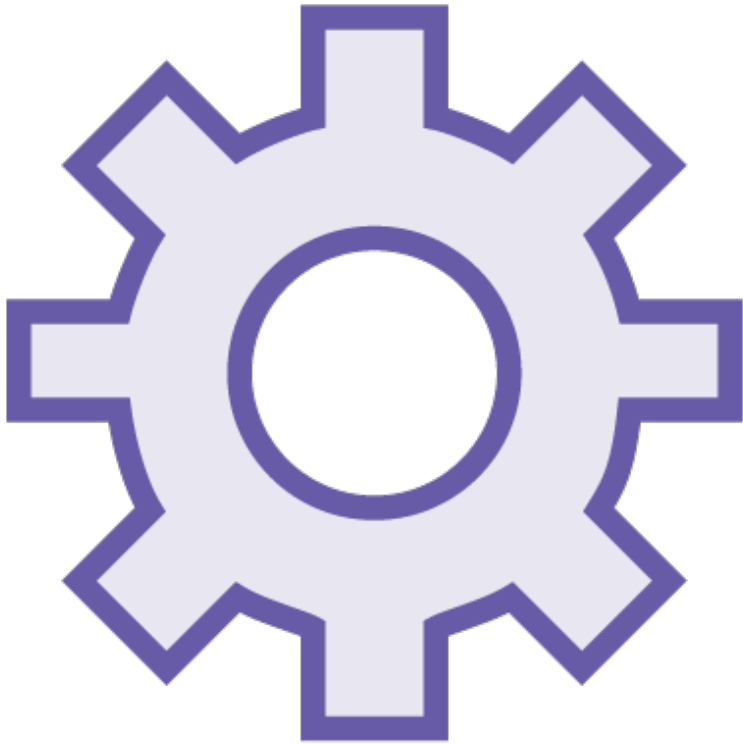
 NServiceBus Performance Counters Optional Install	Install Counters <input checked="" type="checkbox"/>
 Configure Microsoft Message Queuing Optional - Required for MSMQ Transport Only	Install MSMQ <input checked="" type="checkbox"/>
 Configure MSDTC for NServiceBus Optional Install	Configure MSDTC <input checked="" type="checkbox"/>
 ServiceControl Activity Information	Install 1.34.0 <input checked="" type="checkbox"/>
 ServiceInsight Advanced Debugging	Install 1.6.1 <input checked="" type="checkbox"/>
 ServicePulse Production Monitoring	Install 1.7.1 <input checked="" type="checkbox"/>

Install Exit

Help Version: 1.0.0.560



ServiceControl



Gathers information about messages and endpoints

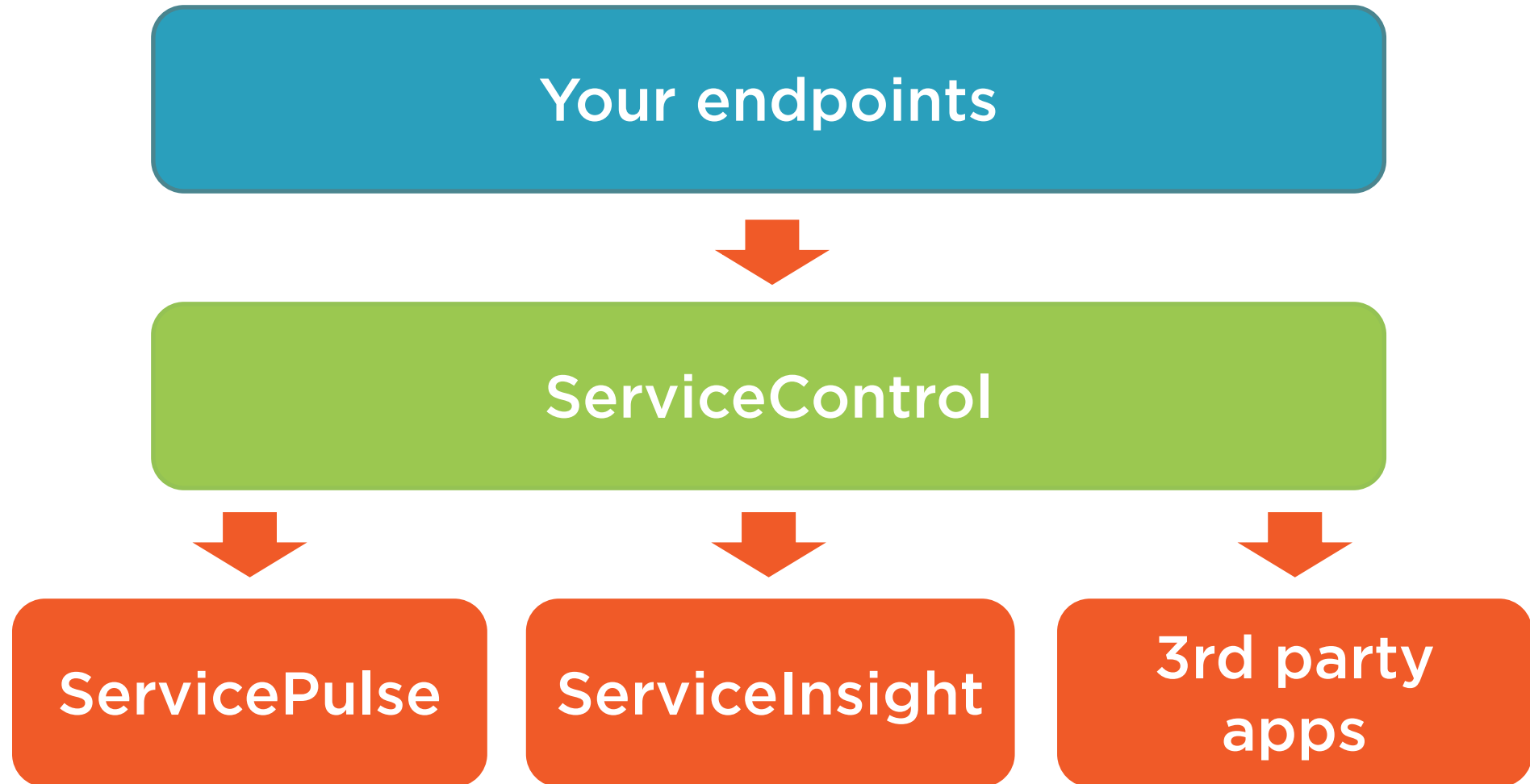
Can also do custom checks

Embedded RavenDB

Exposes data via REST API

Endpoint

The Role of ServiceControl

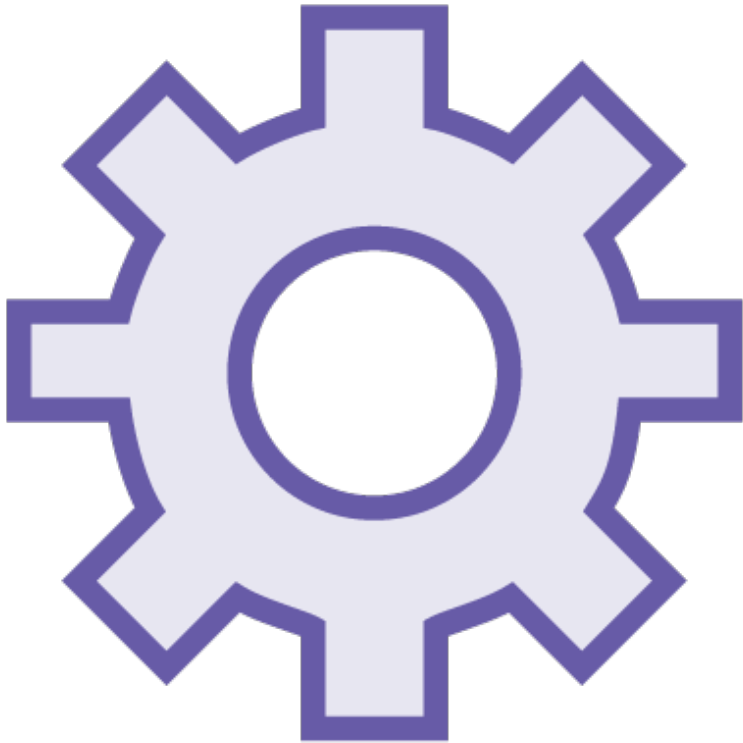


http://localhost:33333/api

```
{  
  "endpoints_error_url": "http://localhost:33333/api  
/endpoints/{name}/errors/{?page,per_page,direction,sort}"  
}
```



ServiceControl



Audit and error queues

Data is retained for 30 days (default)

Configuration file

Default transport is MSMQ

Demo



Notify if a message goes to
the error queue



ServicePulse



Web application intended for live monitoring

Intended for non-techies


Messages in error queue

Heartbeat


Custom checks


Failed Messages


Total number of messages in the error queue: 2


 Summary statistics

Hosts	Endpoints	Message Types
RMGXPS152014 (2)	FireOnWheels.Dispatch (2)	FireOnWheels.Messages.Dispatch... (2)


 Showing 2 message(s)


 Retry 0 selected


 Retry all messages


 Archive 0 selected


Sort by ▼

☐  Show stacktrace

☐  Show headers

☐  Show message body

 Copy Id to clipboard

 Open in ServiceInsight

FireOnWheels.Messages.DispatchOrderCommand

an hour ago

in FireOnWheels.Dispatch on

Exception of type 'System.Exception' was thrown.



Custom Checks



1. Add class to service
2. Add NuGet package
3. Derive from CustomCheck
4. Implement actual check in PerformCheck

Implementing a Custom Check

```
public class RestServiceHealthCustomCheck: CustomCheck
{
    public RestServiceHealthCustomCheck():
        base("RestServiceHealth", "RestService",
            TimeSpan.FromMinutes(5)) {}

    public override Task<CheckResult> PerformCheck()
    {
        //Ping service
        return CheckResult.Failed("REST service not reachable");
    }
}
```



Custom Check in ServicePulse

 Showing 1 failed custom check(s)

RestServiceHealth	RestService	a few seconds ago
<div>REST service not reachable</div>		in FireOnWheels.Monitoring on RMGXPS152014
		 Mute



ServiceInsight



**Desktop application
to visualize message flows**

Intended for developers and architects



Summary



ServiceControl gathers messages and exposes data with an API

ServicePulse is a dashboard to do monitoring

ServiceInsight shows you messages and their relationships

