



Horizon 2020 ETC 636126

Travel Scheme Hub

—

Deliverable D6.2

06 May 2016



1. Travel Scheme Hub

The deliverable is described in the Grant Agreement as part of work package 6: Define & Develop Authentication & Routing Hub & Token ID management. The development of the Travel Scheme Hub is done in 2 phases, see 1.1. below.

1.1. Phased Development

Phase 1: Travel Scheme Hub

In phase 1 the development was focused on creating a scalable Travel Scheme Hub instance that supports the broadest range of European travel terminals, Card Token IDs and Travel Scheme environment integration. This 'standard' functionality will be tested in three configurations according to the three real world examples offered by the Pilot Participants. See for test results the end-to-end testing reports (Deliverable D2.3).

In this phase the focus was also on increasing stability, security, scalability, and performance of the authentication & routing hubs, the service interface layer and also addressing any Token ID Management idiosyncrasies that may appear in the creation of multi-token form factors for the associated Pilots. End of 2015 a performance test was conducted.

Phase 2: Interoperability Hub

In phase 2 the development focused on creating and testing a split (or hybrid Hub) of Hub architecture, wherein the European Interoperable Hub was introduced to orchestrate simple interoperable travel by foreigners in friendly Travel Schemes abroad that have signed unilateral or bilateral interoperability agreements with the 'home' travel scheme of the traveller. See also deliverable 6.3 of the ETC program.

In this phase the focus was on stability, security, scalability, and performance of the European Interoperable Hub which due to its function and placement in the architecture has the highest uptime requirement of any ETC Hub. In particular the permutations in transaction routing that can occur due to interoperability decisions taken by Travel Schemes based upon their underlying bespoke transit systems will be examined and tested to ensure that these can be adjusted over time as each Travel scheme follows their own travel system roadmap in their pursuit of local ABT and cross border Interoperability.

1.2. Hubs as part of the Ecospace Core

The Travel Scheme Hub and Interoperability Hub are integral part of the Ecospace core, as defined in Deliverable 6.1 (Hub Design). The Ecospace Core is a software package comprising different integrated components.

A snapshot of the component versions is provided below (state per April 5, 2016).



1.3. Snapshot of the components versions

```
C:\42Tech\Live\api.auth\bin
  Api.Auth.dll: 1.0.0.0
  Api.Auth.Shared.dll: 1.0.0.0
  EntityFramework.dll: 6.0.0.0
  EntityFramework.SqlServer.dll: 6.0.0.0
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5899.26049
  FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5896.18764
  FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5899.26076
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  HubApi.Services.dll: 1.0.0.0
  HubApi.Shared.Converters.dll: 1.0.0.0
  HubApi.Shared.dll: 1.0.0.0
  HubApi.Storage.dll: 1.0.0.0
  log4net.dll: 1.2.15.0
  MassTransit.dll: 3.2.0.0
  MassTransit.Log4NetIntegration.dll: 3.2.0.0
  MassTransit.RabbitMqTransport.dll: 3.2.0.0
  Microsoft.Owin.Cors.dll: 3.0.1.0
  Microsoft.Owin.dll: 3.0.1.0
  Microsoft.Owin.Host.SystemWeb.dll: 3.0.1.0
  Microsoft.Owin.Security.dll: 3.0.1.0
  Microsoft.Owin.Security.OAuth.dll: 3.0.1.0
  NewId.dll: 2.1.3.0
  Newtonsoft.Json.dll: 8.0.0.0
  Owin.dll: 1.0.0.0
  RabbitMQ.Client.dll: 3.6.0.0
  StackExchange.Redis.dll: 1.0.316.0
  System.Net.Http.Formatting.dll: 5.2.3.0
  System.Web.Cors.dll: 5.2.3.0
  System.Web.Http.dll: 5.2.3.0
  System.Web.Http.Owin.dll: 5.2.3.0
  System.Web.Http.WebHost.dll: 5.2.3.0
C:\42Tech\Live\Api.Sensor\bin
  Api.Auth.Shared.dll: 1.0.0.0
  Api.Sensor.dll: 1.0.0.0
  Api.Sensor.Services.dll: 1.0.0.0
  Autofac.dll: 3.5.0.0
  Autofac.Integration.Owin.dll: 3.1.0.0
  Autofac.Integration.WebApi.dll: 3.4.0.0
  Autofac.Integration.WebApi.Owin.dll: 3.3.0.0
  FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5899.26076
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5899.26049
  FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5896.18764
```



FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5899.26076
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
HubApi.Services.dll: 1.0.0.0
HubApi.Shared.Converters.dll: 1.0.0.0
HubApi.Shared.dll: 1.0.0.0
HubApi.Shared.MassTransit.dll: 1.0.0.0
log4net.dll: 1.2.15.0
MassTransit.AutofacIntegration.dll: 3.2.0.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
Microsoft.Owin.Cors.dll: 3.0.1.0
Microsoft.Owin.dll: 3.0.1.0
Microsoft.Owin.Host.SystemWeb.dll: 3.0.1.0
Microsoft.Owin.Security.dll: 3.0.1.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
Owin.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.0.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.0.0
Swashbuckle.Core.dll: 1.0.0.0
System.Net.Http.Formatting.dll: 5.2.3.0
System.Web.Cors.dll: 5.2.3.0
System.Web.Http.dll: 5.2.3.0
System.Web.Http.Owin.dll: 5.2.3.0
Thinktecture.IdentityModel.Core.dll: 1.2.0.0
C:\42Tech\Live\AuthBolton.Validator\bin\Release
Autofac.dll: 3.5.0.0
Autofac.Integration.Wcf.dll: 4.0.0.0
FortytwoTech.EcoSpace.AuthBolton.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.AuthBolton.Shared.dll: 1.0.5933.21698
FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5932.21240
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5932.21229
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5891.24092
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5891.24120
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.AutofacIntegration.dll: 3.2.0.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
OTICrypto.dll: 1.0.5893.18503
RabbitMQ.Client.dll: 3.6.0.0



```
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.2.0.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.2.0.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.3.154.0
Topshelf.Log4Net.dll: 3.3.154.0
FortytwoTech.EcoSpace.AuthBolton.Validator.exe: 1.0.5933.21702
C:\42Tech\Live\AuthBolton.WinSvc\bin\Release
Autofac.dll: 3.5.0.0
Automatonymous.dll: 3.0.0.0
Common.Logging.Core.dll: 3.3.1.0
Common.Logging.dll: 3.3.1.0
EntityFramework.dll: 6.0.0.0
EntityFramework.SqlServer.dll: 6.0.0.0
FortytwoTech.EcoSpace.AuthBolton.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.AuthBolton.Shared.dll: 1.0.5933.21698
FortytwoTech.EcoSpace.AuthBolton.ValidationServices.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5932.21240
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5932.21229
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5891.24092
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5891.24120
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
Magnum.dll: 2.1.3.0
MassTransit.AutofacIntegration.dll: 3.2.0.0
MassTransit.AutomatonymousIntegration.dll: 3.2.0.0
MassTransit.dll: 3.2.0.0
MassTransit.EntityFrameworkIntegration.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.QuartzIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
OTICrypto.dll: 1.0.5889.37625
Quartz.dll: 2.3.3.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.2.0.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.2.0.0
Taskell.dll: 0.1.2.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.3.154.0
Topshelf.Log4Net.dll: 3.3.154.0
FortytwoTech.EcoSpace.AuthBolton.WinSvc.exe: 1.0.5933.21705
C:\42Tech\Live\BlobStorageMonitor\bin\Release
Microsoft.Data.Edm.dll: 5.6.2.0
Microsoft.Data.OData.dll: 5.6.2.0
```



```
Microsoft.Data.Services.Client.dll: 5.6.2.0
Microsoft.WindowsAzure.Configuration.dll: 1.8.0.0
Microsoft.WindowsAzure.Storage.dll: 4.3.0.0
Newtonsoft.Json.dll: 4.5.0.0
System.Spatial.dll: 5.6.2.0
Topshelf.dll: 3.1.135.0
BlobStorageMonitor.exe: 1.0.0.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\de
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\es
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\fr
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\it
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\ja
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\ko
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\ru
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\BlobStorageMonitor\bin\Release\zh-Hans
Microsoft.Data.Edm.resources.dll: 5.6.2.0
Microsoft.Data.OData.resources.dll: 5.6.2.0
Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
System.Spatial.resources.dll: 5.6.2.0
```



```
C:\42Tech\Live\BlobStorageMonitor\bin\Release\zh-Hant
  Microsoft.Data.Edm.resources.dll: 5.6.2.0
  Microsoft.Data.OData.resources.dll: 5.6.2.0
  Microsoft.Data.Services.Client.resources.dll: 5.6.2.0
  System.Spatial.resources.dll: 5.6.2.0
C:\42Tech\Live\CiCoWinSvc\bin\Release
  CiCoWcfService.dll: 1.0.0.0
  FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  log4net.dll: 1.2.15.0
  MassTransit.dll: 3.2.0.0
  MassTransit.Log4NetIntegration.dll: 3.2.0.0
  MassTransit.RabbitMQTransport.dll: 3.2.0.0
  NewId.dll: 2.1.3.0
  Newtonsoft.Json.dll: 8.0.0.0
  RabbitManager.dll: 1.0.0.0
  RabbitMQ.Client.dll: 3.6.0.0
  StackExchange.Redis.dll: 1.0.316.0
  CiCoWinSvc.exe: 1.0.0.0
C:\42Tech\Live\CurrentFortytwoTech.EcoSpace.TestRunner.Agent\bin\Release
  Autofac.dll: 3.5.0.0
  Autofac.Extras.Attributed.dll: 3.3.0.0
  Autofac.Integration.Mef.dll: 3.0.0.0
  EasyNetQ.DI.Autofac.dll: 0.50.10.403
  EasyNetQ.dll: 0.50.10.403
  FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5766.17336
  FortytwoTech.EcoSpace.Shared.Autofac.EasyNetQ.dll: 1.0.5763.15648
  FortytwoTech.EcoSpace.Shared.dll: 1.0.5763.15643
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5766.24806
  FortytwoTech.EcoSpace.TestRunner.Agent.PerformanceRecorder.dll:
1.0.0.0
  FortytwoTech.EcoSpace.TestRunner.Agent.Shared.dll: 1.0.0.0
  FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5800.22026
  HubApi.Shared.Models.dll: 1.0.5766.20732
  log4net.dll: 1.2.13.0
  Newtonsoft.Json.dll: 7.0.0.0
  RabbitMQ.Client.dll: 3.5.6.0
  RestSharp.Portable.dll: 2.4.0.0
  Topshelf.Autofac.dll: 1.0.0.0
  Topshelf.dll: 3.2.150.0
  Topshelf.Log4Net.dll: 3.2.150.0
  FortytwoTech.EcoSpace.TestRunner.Agent.exe: 1.0.0.0
C:\42Tech\Live\CurrentFortytwoTech.EcoSpace.TestRunner.Agent\bin\Release-Old
```



```
Autofac.dll: 3.5.0.0
Autofac.Extras.Attributed.dll: 3.3.0.0
Autofac.Integration.Mef.dll: 3.0.0.0
EasyNetQ.DI.Autofac.dll: 0.50.10.403
EasyNetQ.dll: 0.50.10.403
FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5766.17336
FortytwoTech.EcoSpace.Shared.Autofac.EasyNetQ.dll: 1.0.5763.15648
FortytwoTech.EcoSpace.Shared.dll: 1.0.5763.15643
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5766.17330
FortytwoTech.EcoSpace.TestRunner.Agent.PerformanceRecorder.dll:
1.0.0.0
FortytwoTech.EcoSpace.TestRunner.Agent.Shared.dll: 1.0.0.0
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5797.36328
HubApi.Shared.Models.dll: 1.0.5766.20732
log4net.dll: 1.2.13.0
Newtonsoft.Json.dll: 7.0.0.0
RabbitMQ.Client.dll: 3.5.6.0
RestSharp.Portable.dll: 2.4.0.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.2.150.0
Topshelf.Log4Net.dll: 3.2.150.0
FortytwoTech.EcoSpace.TestRunner.Agent.exe: 1.0.0.0
C:\42Tech\Live\ECCSignWinService\bin\Release
ECCSignWcfService.dll: 1.0.0.0
log4net.dll: 1.2.13.0
OTICrypto.dll: 1.0.5893.18503
pcsc-sharp.dll: 3.1.0.2
ECCSignWinService.exe: 1.0.0.0
C:\42Tech\Live\EcoAccessWinSvc\bin\Release
EcoAccessWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
EcoAccessWinSvc.exe: 1.0.0.0
C:\42Tech\Live\EcoCheckInWinSvc\bin\Release
EcoCheckInWcfService.dll: 1.0.0.0
EcoThreading.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
```




```
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
EcoCheckInWinSvc.exe: 1.0.0.0
C:\42Tech\Live\EcoCiCoWhitelistWinSvc\bin\Release
EcoCiCoWhitelistWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
EcoCiCoWhitelistWinSvc.exe: 1.0.0.0
C:\42Tech\Live\EcoCSharpTestClient\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
log4net.dll: 1.2.15.0
PayterPaymentEngine.dll: 1.4.4274.14963
StackExchange.Redis.dll: 1.0.316.0
EcoCSharpTestClient.exe: 1.0.0.0
C:\42Tech\Live\EcoGarderobeWinSvc\bin\Release
EcoGarderobeWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
```



```
EcoGarderobeWinSvc.exe: 1.0.0.0
C:\42Tech\Live\EcoIdentityWinSvc\bin\Release
EcoIdentityWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5905.28053
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5905.28083
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
PSMReusableComponents.dll: 1.0.5905.22543
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.2.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.2.0
EcoIdentityWinSvc.exe: 1.0.0.0
C:\42Tech\Live\EcoPaymentWinSvc\bin\Release
EcoPaymentWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5905.28053
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5905.28083
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
PSMReusableComponents.dll: 1.0.5905.22543
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.2.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.2.0
EcoPaymentWinSvc.exe: 1.0.0.0
C:\42Tech\Live\EcoRentalWinSvc\bin\Release
EcoRentalWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
```



```
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
EcoRentalWinSvc.exe: 1.0.0.0
C:\42Tech\Live\Ecospace.WinSvc\bin\Release
Autofac.dll: 3.5.0.0
Common.Logging.Core.dll: 3.3.1.0
Common.Logging.dll: 3.3.1.0
Couchbase.NetClient.dll: 2.2.5.0
EcoZhub.Consumers.dll: 1.0.5933.21696
EcoZhub.ServiceHandlers.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5905.26991
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5905.28053
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5905.28083
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.AutofacIntegration.dll: 3.2.0.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
Notification.Consumers.dll: 1.0.5933.21707
PushSharp.Android.dll: 2.2.1.0
PushSharp.Core.dll: 2.2.1.0
RabbitMQ.Client.dll: 3.6.0.0
Shared.Consumers.dll: 1.0.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.2.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.2.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.3.154.0
Topshelf.Log4Net.dll: 3.3.154.0
VReceipt.Consumers.dll: 1.0.5933.21705
Xan.Consumers.dll: 1.0.5933.21705
Ecospace.WinSvc.exe: 1.0.5933.21708
C:\42Tech\Live\EcoWalletWinSvc\bin\Release
EcoWalletWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
```



```
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
EcoWalletWinSvc.exe: 1.0.0.0
C:\42Tech\Live\EcoZhubWinSvc\bin\Release
EcoZhub.ServiceHandlers.dll: 1.0.0.0
EcoZhubWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5905.28053
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5905.28083
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
OTICrypto.dll: 1.0.5893.18503
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.2.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.2.0
EcoZhubWinSvc.exe: 1.0.0.0
C:\42Tech\Live\Email.Service\bin\Release
Autofac.dll: 3.5.0.0
Autofac.Integration.Wcf.dll: 3.0.0.0
log4net.dll: 1.2.13.0
RazorEngine.dll: 3.4.1.0
System.Web.Razor.dll: 3.0.0.0
TokenManagement.Shared.dll: 1.0.0.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.1.135.0
Topshelf.Log4Net.dll: 3.1.135.0
Email.Service.exe: 1.0.0.0
C:\42Tech\Live\ETLabWinSvc\bin\Release
ETLabPushService.dll: 1.0.0.0
ETLabWcfService.dll: 1.0.0.0
log4net.dll: 1.2.13.0
Newtonsoft.Json.dll: 8.0.0.0
PushSharp.Android.dll: 2.2.1.0
PushSharp.Core.dll: 2.2.1.0
```



```
ETLabWinSvc.exe: 1.0.0.0
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.ETLabActivator
\bin\Release
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
  FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  log4net.dll: 1.2.14.0
  Newtonsoft.Json.dll: 7.0.0.0
  OTICrypto.dll: 1.0.5893.18503
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  Topshelf.dll: 3.3.152.0
  Topshelf.Log4Net.dll: 3.3.152.0
  FortytwoTech.Ecospace.TerminalSoftware.ETLabActivator.exe:
2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.POSClient\bin\
Release
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
  FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  log4net.dll: 1.2.14.0
  Newtonsoft.Json.dll: 7.0.0.0
  OTICrypto.dll: 1.0.5893.18503
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  Topshelf.dll: 3.3.152.0
  Topshelf.Log4Net.dll: 3.3.152.0
  FortytwoTech.Ecospace.TerminalSoftware.POSClient.exe:
2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
CiBus\bin\Release
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
  FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
  FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  log4net.dll: 1.2.14.0
  MassTransit.dll: 3.2.0.0
  MassTransit.RabbitMQTransport.dll: 3.2.0.0
  NewId.dll: 2.1.3.0
  Newtonsoft.Json.dll: 7.0.0.0
  OTICrypto.dll: 1.0.5893.18503
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  RabbitMQ.Client.dll: 3.6.0.0
```



```
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
CicoAmersfoort\bin\Release
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
  FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
  FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  log4net.dll: 1.2.14.0
  MassTransit.dll: 3.2.0.0
  MassTransit.RabbitMqTransport.dll: 3.2.0.0
  NewId.dll: 2.1.3.0
  Newtonsoft.Json.dll: 7.0.0.0
  OTICrypto.dll: 1.0.5893.18503
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  RabbitMQ.Client.dll: 3.6.0.0
  RestSharp.Portable.Core.dll: 3.1.0.0
  RestSharp.Portable.HttpClient.dll: 3.1.0.0
  Topshelf.dll: 3.3.152.0
  Topshelf.Log4Net.dll: 3.3.152.0
  FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
CicoAmsterdam\bin\Release
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
  FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
  FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  log4net.dll: 1.2.14.0
  MassTransit.dll: 3.2.0.0
  MassTransit.RabbitMqTransport.dll: 3.2.0.0
  NewId.dll: 2.1.3.0
  Newtonsoft.Json.dll: 7.0.0.0
  OTICrypto.dll: 1.0.5893.18503
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  RabbitMQ.Client.dll: 3.6.0.0
  RestSharp.Portable.Core.dll: 3.1.0.0
  RestSharp.Portable.HttpClient.dll: 3.1.0.0
  Topshelf.dll: 3.3.152.0
```



```
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
CiFerry\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.14.0
MassTransit.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 7.0.0.0
OTICrypto.dll: 1.0.5893.18503
PayterPaymentEngine.dll: 1.4.4274.14963
PayterRTP.dll: unknown
pthreadGC2.dll: unknown
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
CiTram\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.14.0
MassTransit.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 7.0.0.0
OTICrypto.dll: 1.0.5893.18503
PayterPaymentEngine.dll: 1.4.4274.14963
PayterRTP.dll: unknown
pthreadGC2.dll: unknown
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
IAMsterdam\bin\Release
```



```
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.14.0
MassTransit.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 7.0.0.0
OTICrypto.dll: 1.0.5893.18503
PayterPaymentEngine.dll: 1.4.4274.14963
PayterRTP.dll: unknown
pthreadGC2.dll: unknown
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
TaskBug\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.14.0
MassTransit.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 7.0.0.0
OTICrypto.dll: 1.0.5893.18503
PayterPaymentEngine.dll: 1.4.4274.14963
PayterRTP.dll: unknown
pthreadGC2.dll: unknown
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
Topup\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
```




```
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.14.0
MassTransit.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 7.0.0.0
OTICrypto.dll: 1.0.5893.18503
PayterPaymentEngine.dll: 1.4.4274.14963
PayterRTP.dll: unknown
pthreadGC2.dll: unknown
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
UnderConstruction\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.14.0
MassTransit.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 7.0.0.0
OTICrypto.dll: 1.0.5893.18503
PayterPaymentEngine.dll: 1.4.4274.14963
PayterRTP.dll: unknown
pthreadGC2.dll: unknown
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
WLCicol\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
FortytwoTech.Ecospace.TerminalSoftware.dll: 2.1.5933.21654
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.14.0
MassTransit.dll: 3.2.0.0
```



```
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 7.0.0.0
OTICrypto.dll: 1.0.5893.18503
PayterPaymentEngine.dll: 1.4.4274.14963
PayterRTP.dll: unknown
pthreadGC2.dll: unknown
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
Topshelf.dll: 3.3.152.0
Topshelf.Log4Net.dll: 3.3.152.0
FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.Ecospace.TerminalSoftware.Runner-
WLCico2\bin\Release
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5911.20359
  FortytwoTech.EcoSpace.TerminalSoftware.dll: 2.1.5933.21654
  FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5911.18982
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  log4net.dll: 1.2.14.0
  MassTransit.dll: 3.2.0.0
  MassTransit.RabbitMqTransport.dll: 3.2.0.0
  NewId.dll: 2.1.3.0
  Newtonsoft.Json.dll: 7.0.0.0
  OTICrypto.dll: 1.0.5893.18503
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  RabbitMQ.Client.dll: 3.6.0.0
  RestSharp.Portable.Core.dll: 3.1.0.0
  RestSharp.Portable.HttpClient.dll: 3.1.0.0
  Topshelf.dll: 3.3.152.0
  Topshelf.Log4Net.dll: 3.3.152.0
  FortytwoTech.EcoSpace.TerminalSoftware.Runner.exe: 2.1.5933.21654
C:\42Tech\Live\FortytwoTech.EcoSpace.TestRunner.Agent\bin\Release
  Autofac.dll: 3.5.0.0
  FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5899.26076
  FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5899.26049
  FortytwoTech.EcoSpace.TestRunner.Agent.PerformanceRecorder.dll:
1.0.0.0
  FortytwoTech.EcoSpace.TestRunner.Agent.Shared.dll: 1.0.0.0
  FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5933.21659
  FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
  HubApi.Shared.Models.dll: 1.0.5899.29882
  log4net.dll: 1.2.15.0
```



```
MassTransit.AutofacIntegration.dll: 3.2.0.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.dll: 2.4.0.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.3.154.0
Topshelf.Log4Net.dll: 3.3.154.0
FortytwoTech.EcoSpace.TestRunner.Agent.exe: 1.0.0.0
C:\42Tech\Live\HubApi.Rest\bin
EntityFramework.dll: 6.0.0.0
EntityFramework.SqlServer.dll: 6.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5899.26049
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5896.18764
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5899.26076
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
HubApi.Rest.dll: 1.0.0.0
HubApi.Services.dll: 1.0.0.0
HubApi.Shared.Converters.dll: 1.0.0.0
HubApi.Shared.dll: 1.0.0.0
HubApi.Storage.dll: 1.0.0.0
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
Microsoft.AI.Agent.Intercept.dll: 1.2.0.1011
Microsoft.AI.DependencyCollector.dll: 1.2.3.246
Microsoft.AI.PerfCounterCollector.dll: 1.2.3.246
Microsoft.AI.ServerTelemetryChannel.dll: 1.2.3.246
Microsoft.AI.Web.dll: 1.2.3.246
Microsoft.AI.WindowsServer.dll: 1.2.3.246
Microsoft.ApplicationInsights.dll: 1.2.3.490
Microsoft.ApplicationInsights.Log4NetAppender.dll: 1.2.6.0
Microsoft.Owin.Cors.dll: 3.0.1.0
Microsoft.Owin.dll: 3.0.1.0
Microsoft.Owin.Host.SystemWeb.dll: 3.0.1.0
Microsoft.Owin.Security.dll: 3.0.1.0
Microsoft.Owin.Security.OAuth.dll: 3.0.1.0
Microsoft.Web.Infrastructure.dll: 1.0.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
Owin.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
```



```
StackExchange.Redis.Extensions.Core.dll: 1.3.0.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.0.0
Swashbuckle.Core.dll: 1.0.0.0
System.Net.Http.Formatting.dll: 5.2.3.0
System.Web.Cors.dll: 5.2.3.0
System.Web.Http.dll: 5.2.3.0
System.Web.Http.Owin.dll: 5.2.3.0
System.Web.Http.Tracing.dll: 5.2.3.0
System.Web.Http.WebHost.dll: 5.2.3.0
WebActivatorEx.dll: 2.0.0.0
C:\42Tech\Live\InteropWinSvc\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5899.26049
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5896.18764
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5899.26076
InteropWcfServiceLibrary.dll: 1.0.0.0
log4net.dll: 1.2.15.0
Newtonsoft.Json.dll: 8.0.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.2.0.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.2.0.0
InteropWinSvc.exe: 1.0.0.0
C:\42Tech\Live\LunchCoinsWinSvc\bin\Release
EcoWalletWcfService.dll: 1.0.0.0
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
LunchCoinsWinSvc.exe: 1.0.0.0
C:\42Tech\Live\MultiLabWinSvc\bin\Release
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.dll: 1.0.5868.17100
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5898.25574
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
MultiLabWcf.Impl.dll: 1.0.0.0
MultiLabWcfService.dll: 1.0.0.0
NewId.dll: 2.1.3.0
```



```
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
MultiLabWinSvc.exe: 1.0.0.0
C:\42Tech\Live\MultiLabWinSvc\bin\Release\backup
FortytwoTech.EcoSpace.Shared.dll: 1.0.5868.17100
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5898.25574
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
MultiLabWcf.Impl.dll: 1.0.0.0
MultiLabWcfService.dll: 1.0.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
MultiLabWinSvc.exe: 1.0.0.0
C:\42Tech\Live\PnRLux.Api\bin
FortytwoTech.EcoSpace.Shared.dll: 1.0.5868.17100
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5898.25574
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5876.26223
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5882.20585
log4net.dll: 1.2.15.0
Microsoft.Owin.Cors.dll: 3.0.1.0
Microsoft.Owin.dll: 3.0.1.0
Microsoft.Owin.Host.SystemWeb.dll: 3.0.1.0
Microsoft.Owin.Security.dll: 3.0.1.0
Microsoft.Owin.Security.OAuth.dll: 3.0.1.0
Microsoft.Web.Infrastructure.dll: 1.0.0.0
Newtonsoft.Json.dll: 8.0.0.0
Owin.dll: 1.0.0.0
Services.PnRLuxHub.Api.dll: 1.0.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.1.14.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.1.11.0
Swashbuckle.Core.dll: 1.0.0.0
System.Net.Http.Formatting.dll: 5.2.3.0
System.Web.Cors.dll: 5.2.3.0
System.Web.Http.dll: 5.2.3.0
System.Web.Http.Owin.dll: 5.2.3.0
System.Web.Http.WebHost.dll: 5.2.3.0
WebActivatorEx.dll: 2.0.0.0
C:\42Tech\Live\PnRLuxWinSvc\bin\Release
FortytwoTech.EcoSpace.Shared.dll: 1.0.5868.17100
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5898.25574
log4net.dll: 1.2.15.0
```



```
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
PnRLuxWcfSvc.dll: 1.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
RestSharp.Portable.Core.dll: 3.1.0.0
RestSharp.Portable.HttpClient.dll: 3.1.0.0
PnRLuxWinSvc.exe: 1.0.0.0
C:\42Tech\Live\PostPaidWinService\bin\Release
FortytwoTech.EcoSpace.EcoZhub.Shared.Models.dll: 1.0.0.0
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
PostPaidWcfService.dll: 1.0.0.0
PSMReusableComponents.dll: 1.0.5905.22543
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
PostPaidWinService.exe: 1.0.0.0
C:\42Tech\Live\POSWinSvc\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
log4net.dll: 1.2.15.0
Newtonsoft.Json.dll: 8.0.0.0
POSWcfService.dll: 1.0.0.0
StackExchange.Redis.dll: 1.0.316.0
POSWinSvc.exe: 1.0.0.0
C:\42Tech\Live\TokenManagement\bin
Antlr3.Runtime.dll: 3.5.0.2
Autofac.dll: 3.5.0.0
Autofac.Integration.Mvc.dll: 3.3.0.0
Autofac.Integration.SignalR.dll: 3.0.0.0
BundleTransformer.Core.dll: 1.9.43.0
BundleTransformer.Less.dll: 1.9.46.0
ClearScript.dll: 5.4.1.0
Datatables.Mvc.dll: 4.0.0.0
EntityFramework.dll: 6.0.0.0
EntityFramework.SqlServer.dll: 6.0.0.0
JavaScriptEngineSwitcher.Core.dll: 1.2.4.0
JavaScriptEngineSwitcher.V8.dll: 1.2.4.0
```



```
LinqKit.dll: 1.1.1.0
log4net.dll: 1.2.13.0
Microsoft.AspNet.Identity.Core.dll: 2.0.0.0
Microsoft.AspNet.Identity.EntityFramework.dll: 2.0.0.0
Microsoft.AspNet.Identity.Owin.dll: 2.0.0.0
Microsoft.AspNet.SignalR.Core.dll: 2.1.2.0
Microsoft.AspNet.SignalR.SystemWeb.dll: 2.1.2.0
Microsoft.Owin.dll: 3.0.0.0
Microsoft.Owin.Host.SystemWeb.dll: 3.0.0.0
Microsoft.Owin.Security.Cookies.dll: 3.0.0.0
Microsoft.Owin.Security.dll: 3.0.0.0
Microsoft.Owin.Security.Facebook.dll: 3.0.0.0
Microsoft.Owin.Security.Google.dll: 3.0.0.0
Microsoft.Owin.Security.MicrosoftAccount.dll: 3.0.0.0
Microsoft.Owin.Security.OAuth.dll: 3.0.0.0
Microsoft.Owin.Security.Twitter.dll: 3.0.0.0
Microsoft.Web.Infrastructure.dll: 1.0.0.0
Newtonsoft.Json.dll: 6.0.0.0
Owin.dll: 1.0.0.0
System.Web.Helpers.dll: 3.0.0.0
System.Web.Mvc.dll: 5.2.2.0
System.Web.Optimization.dll: 1.1.0.0
System.Web.Razor.dll: 3.0.0.0
System.Web.WebPages.Deployment.dll: 3.0.0.0
System.Web.WebPages.dll: 3.0.0.0
System.Web.WebPages.Razor.dll: 3.0.0.0
TokenManagement.Data.dll: 1.0.0.0
TokenManagement.dll: 1.0.0.0
TokenManagement.Shared.dll: 1.0.0.0
TokenManagement.Yubico.dll: 1.0.0.0
WebGrease.dll: 1.6.5135.21930
YubicoDotNetClient.dll: 1.1.0.0
C:\42Tech\Live\TokenManagement\bin\ClearScript.V8
ClearScriptV8-32.dll: unknown
ClearScriptV8-64.dll: unknown
v8-ia32.dll: unknown
v8-x64.dll: unknown
C:\42Tech\Live\TokenManagement\bin\ru-ru
BundleTransformer.Core.resources.dll: 1.9.43.0
BundleTransformer.Less.resources.dll: 1.9.46.0
JavaScriptEngineSwitcher.Core.resources.dll: 1.2.4.0
JavaScriptEngineSwitcher.V8.resources.dll: 1.2.4.0
C:\42Tech\Live\TokenManagement.QC.Service\bin\Release
Autofac.dll: 3.5.0.0
Autofac.Integration.Wcf.dll: 3.0.0.0
EntityFramework.dll: 6.0.0.0
EntityFramework.SqlServer.dll: 6.0.0.0
```



```
LinqKit.dll: 1.1.1.0
log4net.dll: 1.2.13.0
Microsoft.AspNet.Identity.Core.dll: 2.0.0.0
Microsoft.AspNet.Identity.EntityFramework.dll: 2.0.0.0
Microsoft.AspNet.Identity.Owin.dll: 2.0.0.0
Microsoft.Owin.dll: 3.0.0.0
Microsoft.Owin.Security.Cookies.dll: 3.0.0.0
Microsoft.Owin.Security.dll: 3.0.0.0
Microsoft.Owin.Security.OAuth.dll: 3.0.0.0
Newtonsoft.Json.dll: 6.0.0.0
Owin.dll: 1.0.0.0
TokenManagement.Data.dll: 1.0.0.0
TokenManagement.Shared.dll: 1.0.0.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.1.135.0
Topshelf.Log4Net.dll: 3.1.135.0
TokenManagement.QC.Service.exe: 1.0.0.0
C:\42Tech\Live\TokenManagement.Service\bin\Release
Autofac.dll: 3.5.0.0
Autofac.Integration.Wcf.dll: 3.0.0.0
EntityFramework.dll: 6.0.0.0
EntityFramework.SqlServer.dll: 6.0.0.0
LinqKit.dll: 1.1.1.0
log4net.dll: 1.2.13.0
Microsoft.AspNet.Identity.Core.dll: 2.0.0.0
Microsoft.AspNet.Identity.EntityFramework.dll: 2.0.0.0
Microsoft.AspNet.Identity.Owin.dll: 2.0.0.0
Microsoft.Owin.dll: 3.0.0.0
Microsoft.Owin.Security.Cookies.dll: 3.0.0.0
Microsoft.Owin.Security.dll: 3.0.0.0
Microsoft.Owin.Security.OAuth.dll: 3.0.0.0
Microsoft.Web.FtpServer.dll: 7.5.0.0
Newtonsoft.Json.dll: 6.0.0.0
Owin.dll: 1.0.0.0
TokenManagement.Data.dll: 1.0.0.0
TokenManagement.Shared.dll: 1.0.0.0
Topshelf.Autofac.dll: 1.0.0.0
Topshelf.dll: 3.1.135.0
Topshelf.Log4Net.dll: 3.1.135.0
TokenManagement.Service.exe: 1.0.0.0
C:\42Tech\Live\VReceiptWinSvc\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5905.28053
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5905.28083
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
```




```
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMQTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
PSMReusableComponents.dll: 1.0.5905.22543
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.2.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.2.0
VReceiptWcfService.dll: 1.0.0.0
VReceiptWinSvc.exe: 1.0.0.0
C:\42Tech\Live\WLCiCoClient1
  log4net.dll: 1.2.13.0
  OTICrypto.dll: 1.0.5525.26177
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  ReaderInteraction.dll: 1.0.0.0
  CiCoClient.exe: 1.0.0.0
C:\42Tech\Live\WLCiCoClient1\backup
  log4net.dll: 1.2.13.0
  OTICrypto.dll: 1.0.5492.29329
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  PSMReusableComponents.dll: 1.0.0.1
  pthreadGC2.dll: unknown
  ReaderInteraction.dll: 1.0.0.0
  CiCoClient.exe: 1.0.0.0
C:\42Tech\Live\WLCiCoClient2
  log4net.dll: 1.2.13.0
  OTICrypto.dll: 1.0.5525.26177
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  pthreadGC2.dll: unknown
  ReaderInteraction.dll: 1.0.0.0
  CiCoClient.exe: 1.0.0.0
C:\42Tech\Live\WLCiCoClient2\backup
  log4net.dll: 1.2.13.0
  OTICrypto.dll: 1.0.5492.29329
  PayterPaymentEngine.dll: 1.4.4274.14963
  PayterRTP.dll: unknown
  PSMReusableComponents.dll: 1.0.0.1
  pthreadGC2.dll: unknown
  ReaderInteraction.dll: 1.0.0.0
  CiCoClient.exe: 1.0.0.0
C:\42Tech\Live\Xan.Dashboard\bin
```



```
Antlr3.Runtime.dll: 3.5.0.2
Autofac.dll: 3.5.0.0
Autofac.Integration.Mvc.dll: 3.3.0.0
Autofac.Integration.Mvc.Owin.dll: 3.1.0.0
Autofac.Integration.Owin.dll: 3.1.0.0
Autofac.Integration.SignalR.dll: 3.0.0.0
FortytwoTech.EcoSpace.Shared.Autofac.dll: 1.0.5905.16469
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.16442
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5896.18764
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5905.16469
FortytwoTech.EcoSpace.TestRunner.Shared.Models.dll:
1.0.5905.14807
FortytwoTech.Shared.Extensions.dll: 1.0.5892.21596
log4net.dll: 1.2.15.0
MassTransit.AutofacIntegration.dll: 3.2.0.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
Microsoft.AspNet.SignalR.Core.dll: 2.2.0.0
Microsoft.AspNet.SignalR.SystemWeb.dll: 2.2.0.0
Microsoft.Owin.dll: 3.0.1.0
Microsoft.Owin.Host.SystemWeb.dll: 3.0.1.0
Microsoft.Owin.Security.dll: 3.0.1.0
Microsoft.Web.Infrastructure.dll: 1.0.0.0
MvcCheckBoxList.dll: 1.4.5.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
Owin.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
SignalR.Extras.Autofac.dll: 1.1.1.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.2.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.2.0
System.Web.Helpers.dll: 3.0.0.0
System.Web.Mvc.dll: 5.2.3.0
System.Web.Optimization.dll: 1.1.0.0
System.Web.Razor.dll: 3.0.0.0
System.Web.WebPages.Deployment.dll: 3.0.0.0
System.Web.WebPages.dll: 3.0.0.0
System.Web.WebPages.Razor.dll: 3.0.0.0
WebGrease.dll: 1.6.5135.21930
Xan.Dashboard.Consumers.dll: 1.0.0.0
Xan.Dashboard.dll: 1.0.0.0
C:\42Tech\Live\XANWinSvc\bin\Release
FortytwoTech.EcoSpace.Shared.EcoClasses.dll: 1.0.5905.26962
FortytwoTech.EcoSpace.Shared.Redis.Core.dll: 1.1.5905.28053
FortytwoTech.EcoSpace.Shared.Redis.dll: 1.1.5905.28083
```



log4net.dll: 1.2.15.0
MassTransit.dll: 3.2.0.0
MassTransit.Log4NetIntegration.dll: 3.2.0.0
MassTransit.RabbitMqTransport.dll: 3.2.0.0
NewId.dll: 2.1.3.0
Newtonsoft.Json.dll: 8.0.0.0
RabbitManager.dll: 1.0.0.0
RabbitMQ.Client.dll: 3.6.0.0
StackExchange.Redis.dll: 1.0.316.0
StackExchange.Redis.Extensions.Core.dll: 1.3.2.0
StackExchange.Redis.Extensions.Newtonsoft.dll: 1.3.2.0
XANWcfService.dll: 1.0.0.0
XANWinSvc.exe: 1.0.0.0