

Trakka 4.3 Release Notes

Revision Date: April 26, 2015
PDF File Version: v01

This document summarizes the changes to Trakka in Version 4.3

Click links in the following table for details about product changes:

Section	Summary
Internationalization / Localization	Trakka now available in Spanish
Data Connections	New Interface with MAQSA (Mexico) Lab New Interface with Wheeler Machinery Lab New Interface with BTA Reliability Vibration
Other	Microsoft .NET Framework 4.5 required for Trakka 4.3

Internationalization & Localization

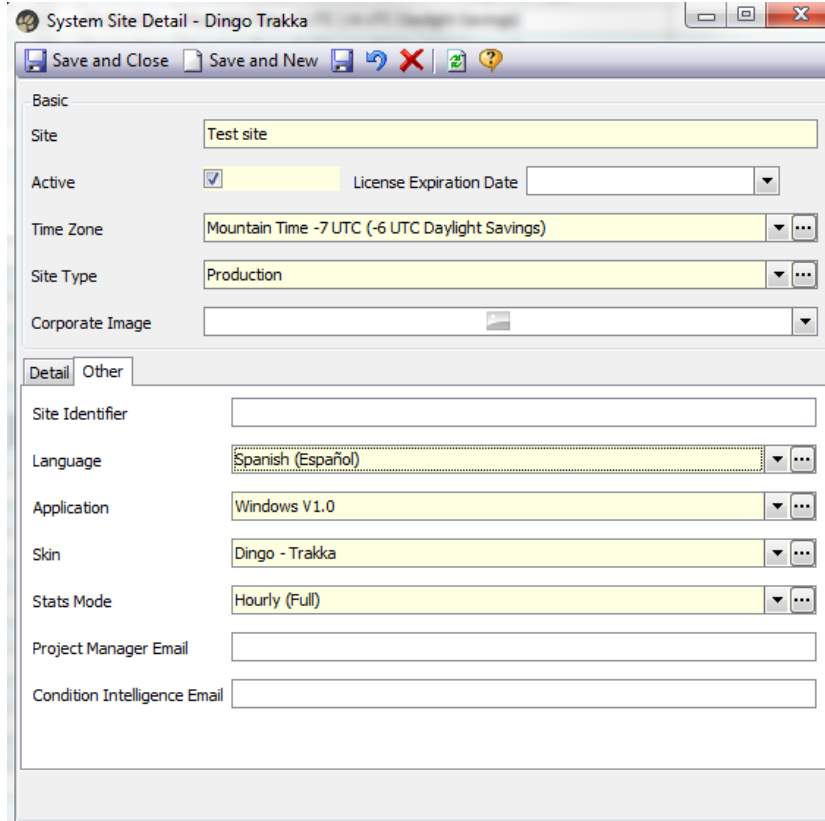
Trakka now available in Spanish

The main changes in Trakka 4.3 are around Internationalization & Localization. Trakka can now be deployed in a user's local language, based on the Location/Culture of their operating system. The first language made available in this release is Spanish, with additional languages launching later this year.

Most of the fundamental changes to create this capability are behind the scenes but below are a few changes that will be available to the end user.

1. Each Trakka site is assigned a default language. This default language determines how all of the site based lists are initially created for that site. For example interval units such as hours, days etc will be created as horas, dias in Spanish (Español) default language.

This default language is assigned when the site is first created in Trakka



System Site Detail - Dingo Trakka

Save and Close Save and New

Basic

Site: Test site

Active: License Expiration Date: []

Time Zone: Mountain Time -7 UTC (-6 UTC Daylight Savings)

Site Type: Production

Corporate Image: []

Detail Other

Site Identifier: []

Language: Spanish (Español)

Application: Windows V1.0

Skin: Dingo - Trakka

Stats Mode: Hourly (Full)

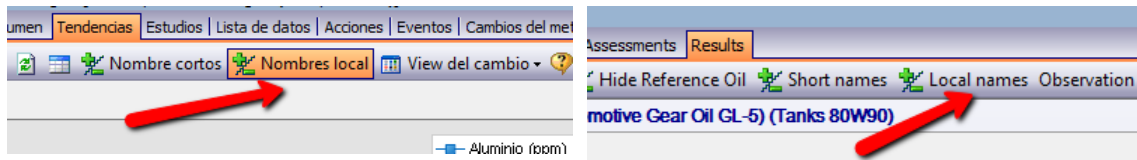
Project Manager Email: []

Condition Intelligence Email: []

2. Based on the sites default language, other controlled lists are also created in that language, regardless of the culture of the Trakka client being used to view them;
 - a. Exception Levels (Trakka Rating, Observation Rating etc). Below is an example of how the Observation Rating (Valoración de la Observación) and Trakka Rating (Grado de Trakka) appear for a site with default language of Spanish.

Valoración de la Observación	Grado de Trakka	Ubicación
✓ Normal	✗ Crítico	Subterráneo (Underground)
✓ Normal	⚠ Advertencia	Superficie (Surface)

- b. Indicators are now displayed in the sites default language. There is a new “Local Names” button on the Results and Trends tabs that will toggle these Indicator Names between the sites default language and the language of the end user viewing them.



The image shows a detailed results table with a red box highlighting the left column. The table has several sections: 'Aditivos', 'Contaminantes', 'Propiedades del lubricante', 'Cuentas de partícula', and 'Metales del desgaste'. The left column contains the names of the components in Spanish, such as 'Boro (ppm)', 'Calcio (ppm)', 'Magnesio (ppm)', etc.

Resumen de la Acción							
Aditivos							
Boro (ppm)	59	52		52		58	
Calcio (ppm)	2480	2464		2536		2607	
Magnesio (ppm)	482	476		506		509	
Molibdénio (ppm)	42	41		43		44	
Fosforado (ppm)	1213	1176		1222		1253	
Potasio (ppm)	2	2		0		0	
Cinc (ppm)	1461	1458		1434		1492	
Contaminantes							
Anti-Wear - Infrared (Abs/cm)	21	21		21		21	
Fuel - Gas Chromatograph (% Volume)							
Combustible (%) Δ							
Glicol (%)							
Glicol (Abs/cm)	0	0		0		0	
Nitración (Abs/cm)	6	6		7		6	
Oxidación (Abs/cm)	13	14		15		13	
Silicio (ppm) Δ	4	3	0.032	3	0.024	5	0.625
Sodio (ppm) Δ	0	0	0	2	0.016	2	0.25
Hollín (%)							
Hollín (Abs/cm) Δ	0	11	0.117	16	0.127	0	0
Azufre (Abs/cm) Δ	17	18	0.191	18	0.143	17	2.125
Water - Infrared (Abs/cm)	16	12		12		16	
Agua (ppm)							
Bandera del agua	Neg	Neg		Neg		Neg	
Propiedades del lubricante							
Viscosidad @ 100°C (cSt)	15.5	15.21		14.52		15.38	
Cuentas de partícula							
Índice de PQ Δ	0	0	0	5	0.04	0	0
Metales del desgaste							
Aluminio (ppm) Δ	1	2	0.021	2	0.016	2	0.25
Bario (ppm)	0	0		0		0	
Cadmio (ppm)	0	0		0		0	

- c. Breakdown Avoidance Rating. These are now displayed in the site's default language

Puntuación	Número de clasificación	Descripción	Porcentaje
0 - Falla no habría ocurrido - 0%	0	Falla no habría ocurrido	0
1 - Probabilidad menor que la falla habría ocurrido - 20%	1	Probabilidad menor que la falla habría ocurrido	20
2 - Hay alguna probabilidad que la falla habría ocurrid...	2	Hay alguna probabilidad que la falla habría ...	40
3 - Muy probablemente la falla habría ocurrido - 60%	3	Muy probablemente la falla habría ocurrido	60
4 - Hay probabilidad significativa que la falla habría oc...	4	Hay probabilidad significativa que la falla ha...	80
5 - Falla habría ocurrido - 100%	5	Falla habría ocurrido	100

- d. Condition Based Component Change Decisions

Evaluaciones finales					
1. Evaluaciones del ci (0)		2. Evaluaciones del planificador (0)		3. Evaluaciones finales	
Situación	Activo	Componente	Ubicación	Planificador	Recomendación del CI
Pendiente	260	260 Pump Drive	Mobile		Se Necesita Más Infor...
Pendiente	261	261 Compressor	Mobile		Prolongar la vida útil de...
Pendiente	261	261 Engine	Mobile		Prolongar la vida útil de...
Pendiente	301	301 Differential F	Mobile		Prolongar la vida útil de...
Pendiente	301	301 Engine	Mobile		Prolongar la vida útil de...
Pendiente	301	301 Final Drive L/F	Mobile		Prolongar la vida útil de...
Pendiente	301	301 Final Drive R/F	Mobile		Prolongar la vida útil de...
Pendiente	301	301 Transmission	Mobile		SE NECESITA MAS INFOR...

- e. Observation Types

Tipo global de la observación	Es revisable	Orden de la lista	Es público
Análisis fluido	<input checked="" type="checkbox"/>	10	<input checked="" type="checkbox"/>
Inspección del filtro	<input checked="" type="checkbox"/>	30	<input type="checkbox"/>
Filtro Grama	<input checked="" type="checkbox"/>	35	<input type="checkbox"/>
Vibración	<input checked="" type="checkbox"/>	40	<input type="checkbox"/>
Termografía	<input checked="" type="checkbox"/>	50	<input type="checkbox"/>
Inspección visual	<input checked="" type="checkbox"/>	60	<input type="checkbox"/>
Supervisión a bordo	<input checked="" type="checkbox"/>	70	<input type="checkbox"/>
Inspección de Tapón Magnético	<input checked="" type="checkbox"/>	80	<input type="checkbox"/>
Desgaste de los Neumáticos	<input checked="" type="checkbox"/>	100	<input type="checkbox"/>

f. Fault Effects

Efectos de Fallo del Sistema Global				
Efecto global de la falta	Orden de la lista /	Es público	Orden de la lista del sistema de la regla	Tipo global de la observación
Falla eléctrica - Armadura/bobinado/toma a tierra/puesta a punto	1009	<input type="checkbox"/>	1009	Vibración
Falla eléctrica - SCR/tarjeta/fusible/Conexión	1010	<input type="checkbox"/>	1010	Vibración
Falla Eléctrica - Eliminación del Problema Gradual	1011	<input type="checkbox"/>	1011	Vibración
Falla Eléctrica - Falla del Rotor	1012	<input type="checkbox"/>	1012	Vibración
Cinturón/Polea - Desalineación/Usado/Suelto	1013	<input type="checkbox"/>	1013	Vibración
Diente de Engranaje Roto o Agrietado	1014	<input type="checkbox"/>	1014	Vibración
Falla Eléctrica - Estator Excéntrico/Cortocircuito/Suelto	1015	<input type="checkbox"/>	1015	Vibración
Engranajes Excéntricos	1016	<input type="checkbox"/>	1016	Vibración
Contragolpe del Engranaje	1017	<input type="checkbox"/>	1017	Vibración
Fallas en el Engranaje	1018	<input type="checkbox"/>	1018	Vibración
Carga del Diente de Engranaje	1019	<input type="checkbox"/>	1019	Vibración
Desgaste del Diente de Engranaje	1020	<input type="checkbox"/>	1020	Vibración
Fallo de la Cuchilla/Veleta	1021	<input type="checkbox"/>	1021	Vibración
Flujo de Turbulencia	1022	<input type="checkbox"/>	1022	Vibración
Falla de Acoplamiento	1023	<input type="checkbox"/>	1023	Vibración
Flojedad	1024	<input type="checkbox"/>	1024	Vibración
Holgura en la Rotación	1025	<input type="checkbox"/>	1025	Vibración
Flojedad Estructural	1026	<input type="checkbox"/>	1026	Vibración
Entrada de Refrigerante	2000	<input checked="" type="checkbox"/>	2000	Análisis fluido
Entrada del combustible	3000	<input checked="" type="checkbox"/>	3000	Análisis fluido
Entrada del polvo	4000	<input checked="" type="checkbox"/>	4000	Análisis fluido
Suciedad	5000	<input checked="" type="checkbox"/>	5000	Análisis fluido
Tipo fluido incorrecto	6000	<input checked="" type="checkbox"/>	6000	Análisis fluido
Transferencia fluida	6300	<input checked="" type="checkbox"/>	6300	Análisis fluido
Condición fluida que deteriora	7000	<input checked="" type="checkbox"/>	7000	Análisis fluido
Combustión Anormal	8000	<input checked="" type="checkbox"/>	8000	Análisis fluido
Altos metales del desgaste	9000	<input checked="" type="checkbox"/>	9000	Análisis fluido
Alta cuenta de partícula	10000	<input checked="" type="checkbox"/>	10000	Análisis fluido
Entrada del agua	11000	<input checked="" type="checkbox"/>	11000	Análisis fluido
Altas horas fluidas	12000	<input checked="" type="checkbox"/>	12000	Análisis fluido
Desgaste de adaptación	12300	<input checked="" type="checkbox"/>	12300	Análisis fluido
Resultados cuestionables de la muestra	13000	<input checked="" type="checkbox"/>	13000	Análisis fluido
Formación de Arcos de electricidad	13100	<input type="checkbox"/>	13100	Análisis fluido
DGA provee de gas presente	13110	<input type="checkbox"/>	13110	Análisis fluido
Escapes del sistema	13120	<input type="checkbox"/>	13120	Análisis fluido
Degradación de papel del aislamiento	13130	<input type="checkbox"/>	13130	Análisis fluido
Descarga de la partícula de alta energía	13140	<input type="checkbox"/>	13140	Análisis fluido
Descarga de la partícula de la energía baja	13150	<input type="checkbox"/>	13150	Análisis fluido
La termal critica el recalentamiento	13160	<input type="checkbox"/>	13160	Análisis fluido
Humedad	13170	<input type="checkbox"/>	13170	Análisis fluido

Data Connections

Trakka 4.3 includes the following new Data Connections:

New Interface with MAQSA (Mexico) Laboratory

A new interface has been created for the MAQSA Laboratory PSV format. We now accept a PSV file for all Oil, Coolant and Fuel testing from this facility that will automatically load into Trakka.

New Interface with Wheeler Machinery Laboratory

A new interface has been created for the Wheeler Machinery Laboratory PSV format. We now accept a PSV file for all Oil, Coolant and Fuel testing from this facility that will automatically load into Trakka.

New Interface with BTA Reliability Vibration

A new interface has been created for the Vibration reporting capabilities at BTA Reliability (<http://www.btarc.com/index.html>). We now accept an Excel file from this facility that will automatically load into Trakka.

Other

Microsoft .NET Framework 4.5 required for Trakka 4.3

With Trakka 4.3 Dingo has upgraded the underlying technology. This will require the Microsoft .NET Framework to be upgraded from 4.0 to 4.5. Dingo highly recommends installing the .NET 4.5 Framework before the Trakka 4.3 upgrade, as this will speed up the Trakka upgrade as well as separate these two upgrades and allow you to test these two events reasonably independently. The .NET 4.5 framework can be downloaded from the following page for your language

<https://www.microsoft.com/en-au/download/details.aspx?id=30653>

The .NET 4.5 installer upgrades your existing .NET 4.0 installation to include new features, but retains the core of .NET 4.0.

Microsoft advises that any applications built off earlier versions of .NET than 4.5 will still run through 4.5 without any modifications. Dingo is not able to verify this and as such we advise you to undertake testing for any other applications that rely on the .NET Framework.

We are aware that many organizations have a strict policy of locking down their Desktop Operating Environments or Standard Operating Environments (SOEs), so it may be impractical or difficult for an installation of the .NET 4.5 Framework by a user without Administrator access to their PC. In these cases, your organization's IT or Desktop Administration team will need to be involved in the .NET 4.5 upgrade process.

For all other users of Trakka that already have the .NET 4.5 framework installed, this upgrade should be seamless, and will be available from the following site <https://trakka.dingo.com> after the release date.

The best way to upgrade to Trakka 4.3 is to go to our installation website, following the instructions below

Installation Steps (these are based on Internet Explorer 11, other version of IE will be similar)

1. Open Internet Explorer
2. Go to <https://trakka.dingo.com>
3. Click on the install button



4. This may present you with a choice to **Run** or Save the setup.exe file, click **Run**

In English

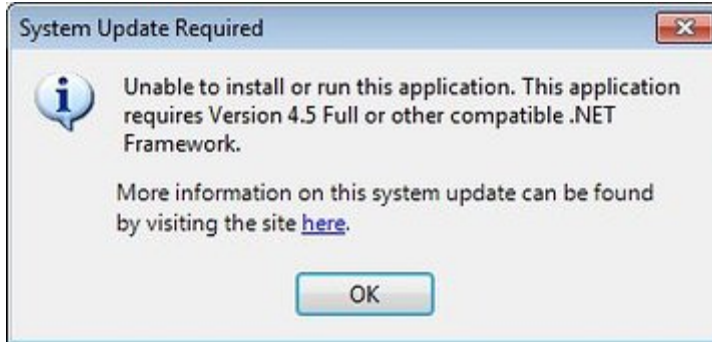


In Spanish


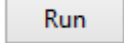


5. Setup.exe will run and check if you have .NET 4.5 installed, if .NET 4.5 isn't installed it will install it for you if you have permissions (see detailed instructions below on this process), and then it will upgrade Trakka
6. If you already have .NET 4.5 it will perform the upgrade as per previous releases

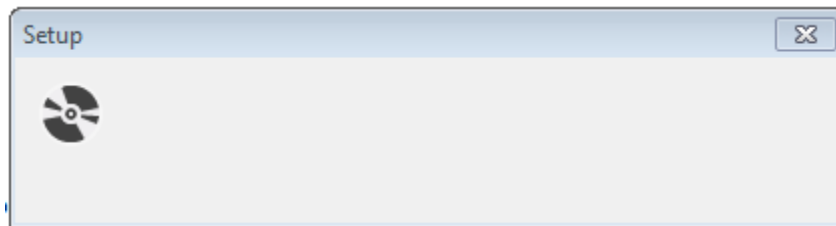
If you choose to upgrade by starting Trakka after the release date, and you have .NET 4.5 installed, then Trakka should automatically upgrade, if you receive the following error then go to <https://trakka.dingo.com> and follow the installation steps above



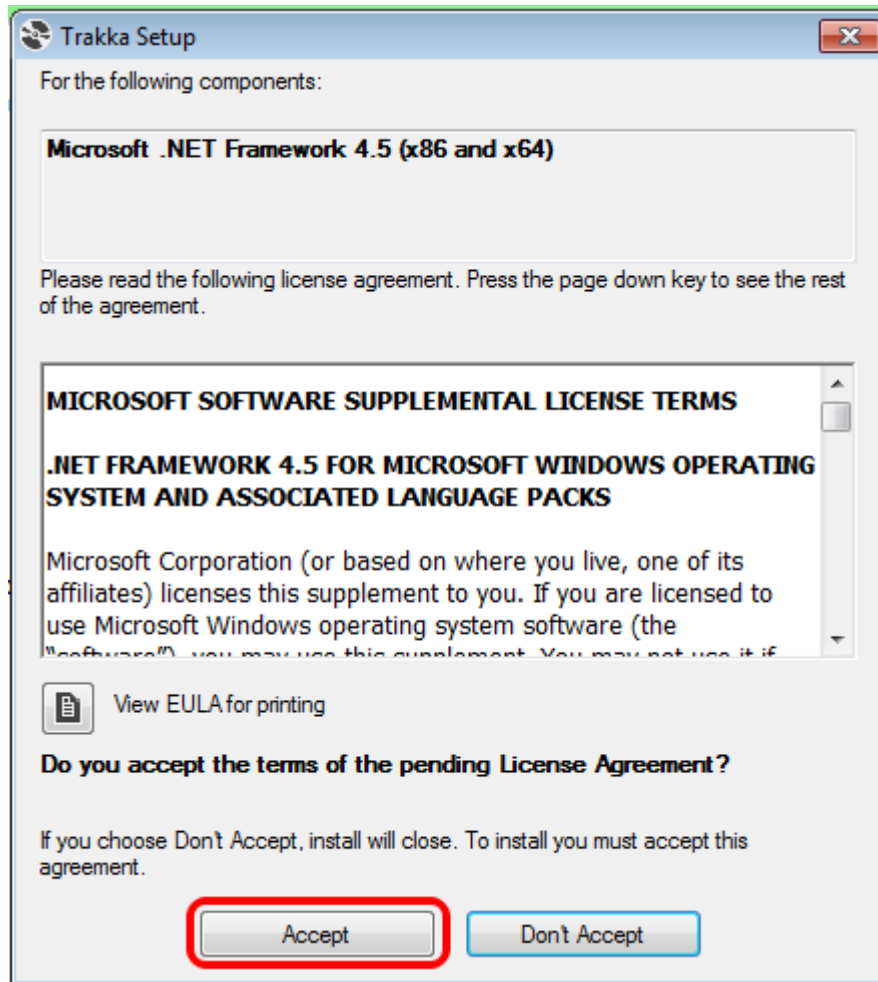
Microsoft .NET Framework upgrade detailed process steps

After clicking the  and  buttons from <https://trakka.dingo.com> you will be presented with the following series of steps (or very similar screens depending on your web browser) and associated dialogs

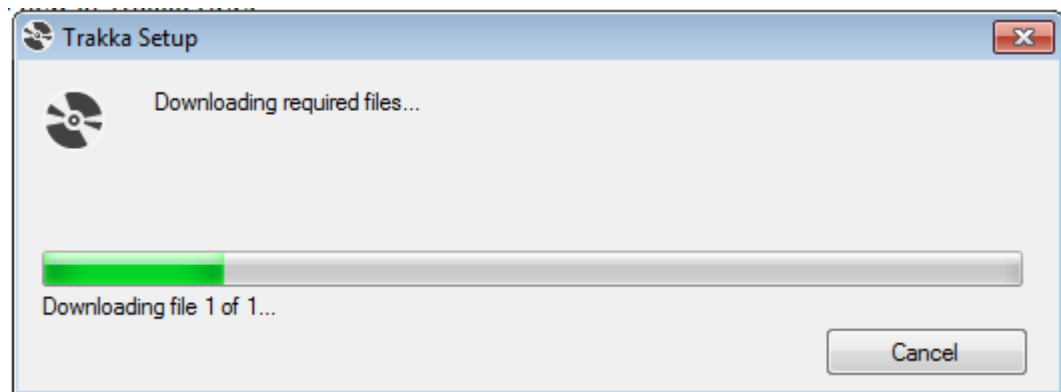
1. Setup startup dialog (information only)



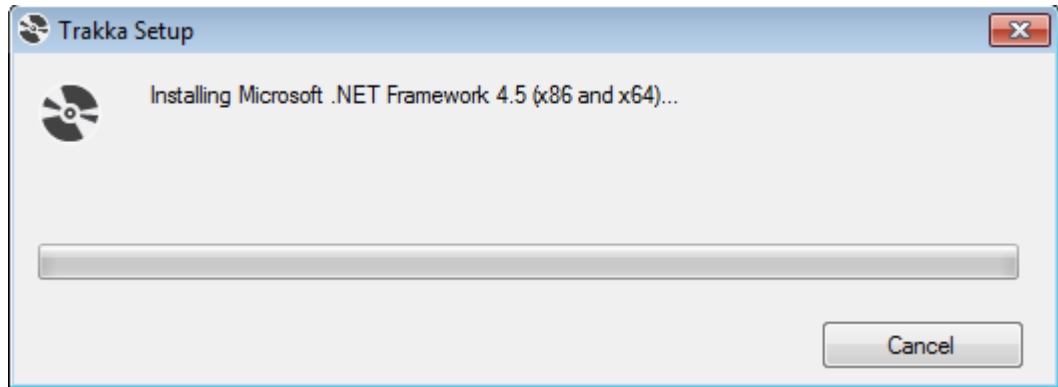
2. Trakka .NET 4.5 Setup, Click Accept



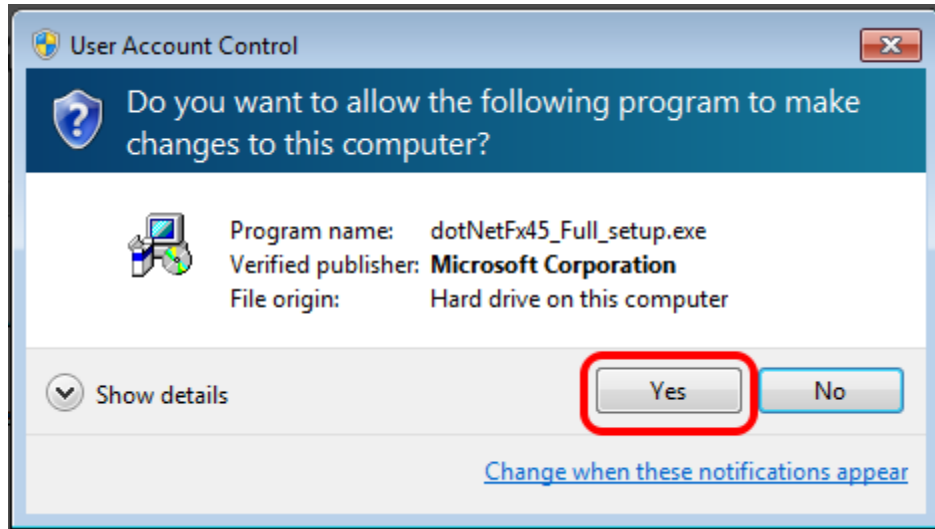
3. Downloading .NET setup files (information only)



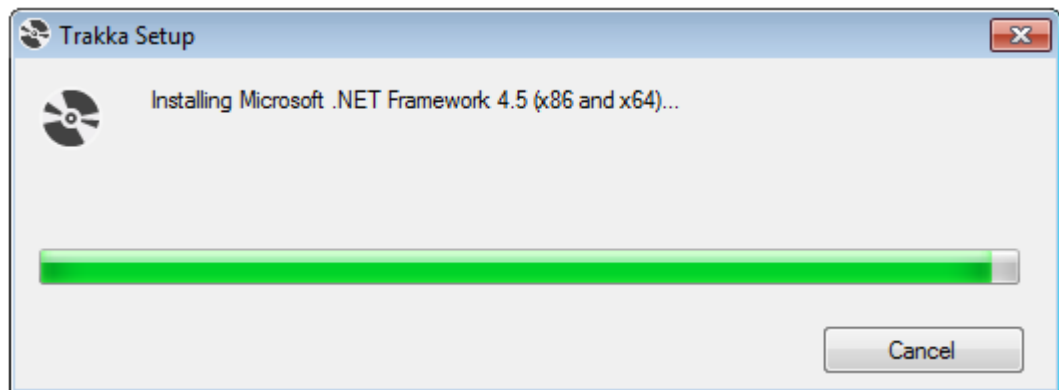
- 4. .NET Install dialog (information only)



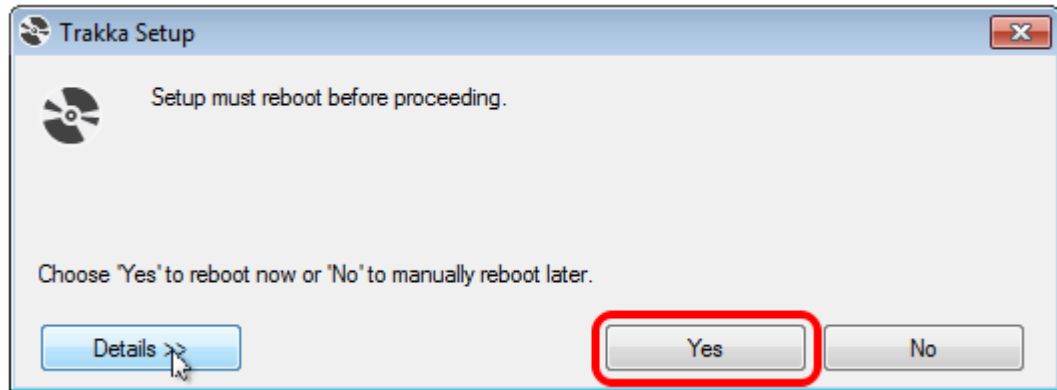
- 5. UAC permission dialog (this may not appear, depending on your PC setting), if it does Click Yes



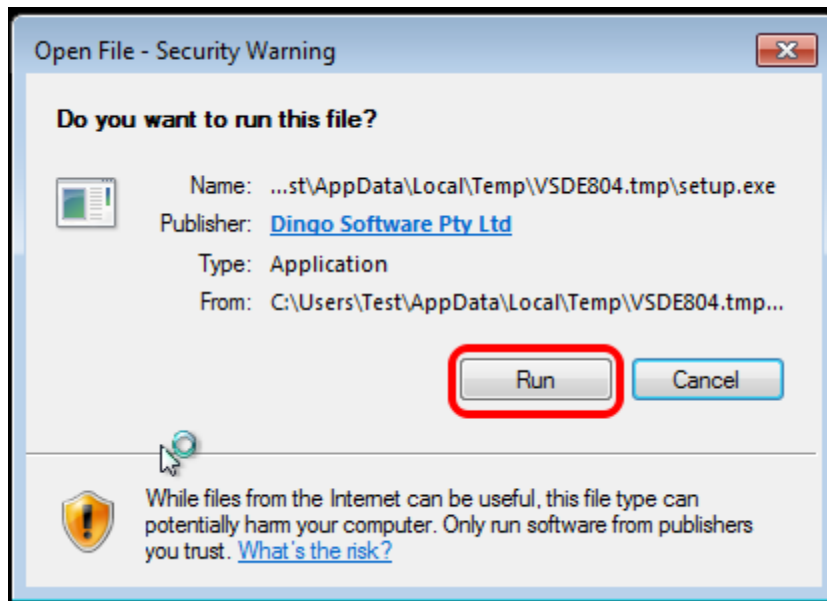
- 6. .NET Install dialog (information only), this may appear 4 times



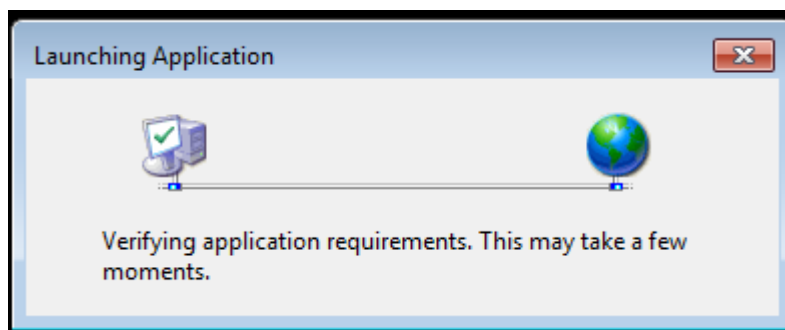
7. Reboot to complete install dialog, Click Yes



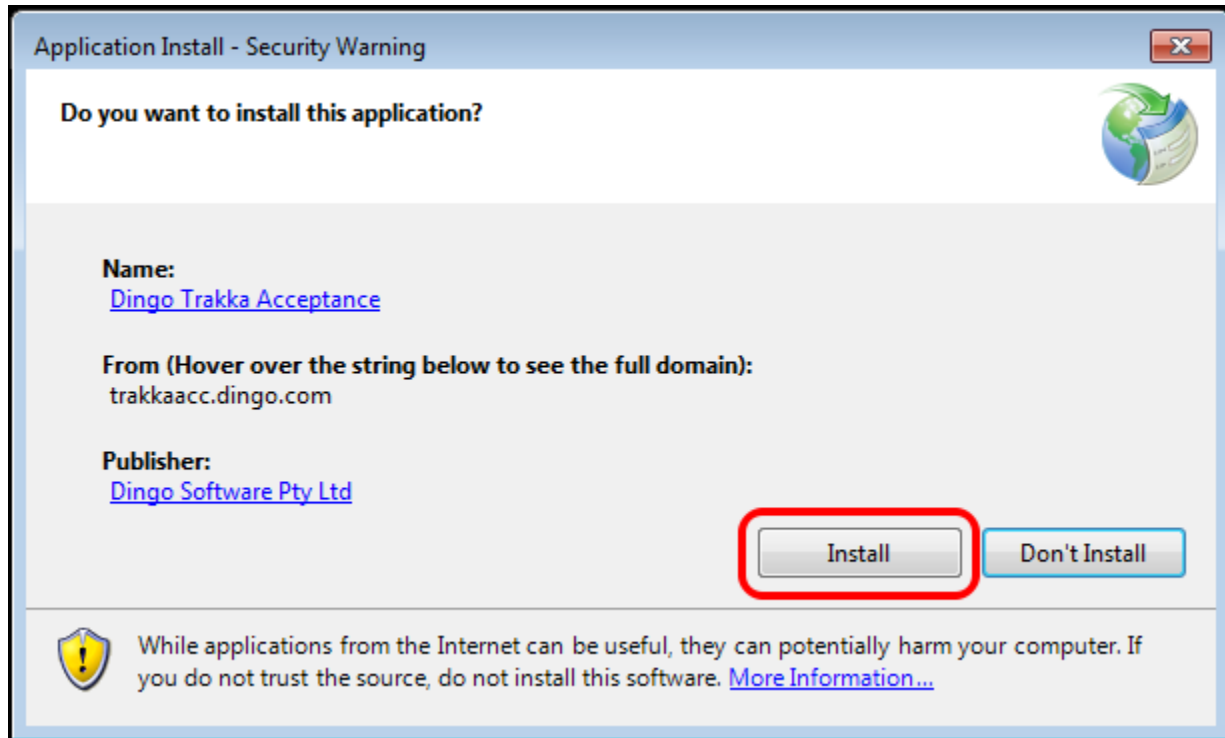
8. The PC will now reboot, login as per normal
9. Setup completion dialog, Click Run to start Trakka Upgrade. If this screen does not appear automatically return to <https://trakka.dingo.com> and click on the Install button



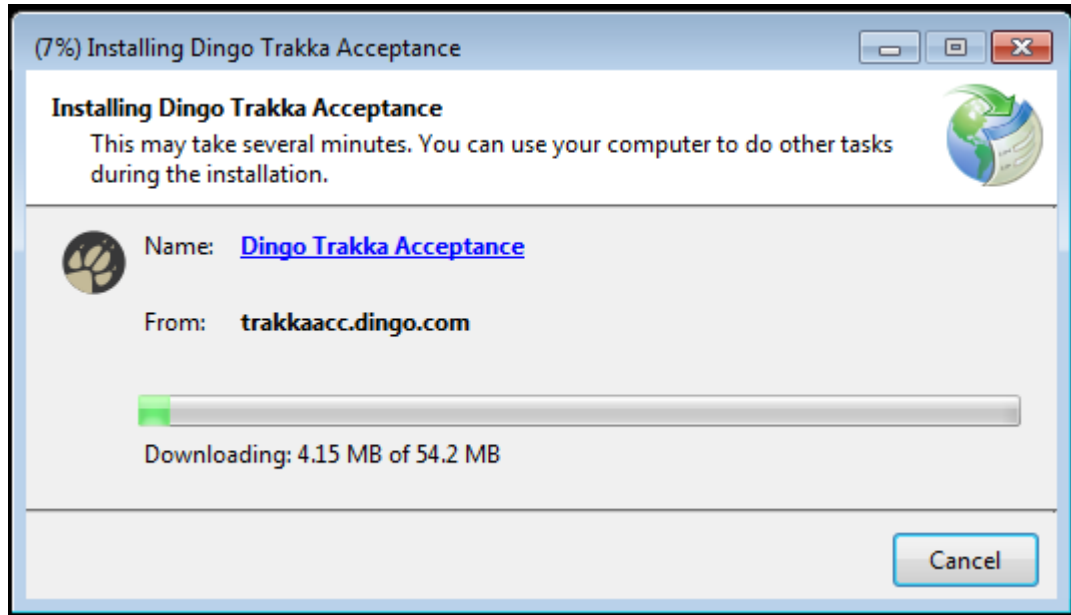
10. Launching Application for upgrade (information only)



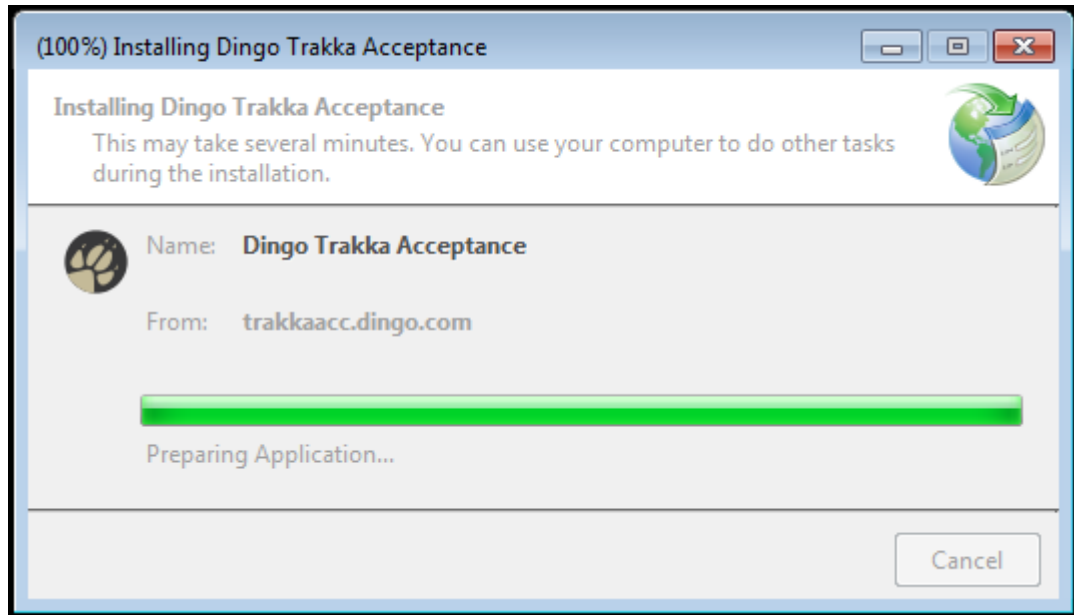
11. Trakka Upgrade/Installation, Click Install



12. Installing Trakka upgrade (information Only)



13. Preparing Trakka for use (information only)



14. Trakka is now installed and will startup for login, enter your User Name and Password and Click OK

