# Cordova: Fast and Easy D365F&O TFVC DevOps

Administration & User's Guide Version 1.0.10

for Microsoft Dynamics 365 for Finance and Supply Chain Management





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# Version History

Version	Software Version	Date	Description
001.000.001	001.000.064.000	04/11/2024	First public release.
001.000.001	001.000.066.000	04/12/2024	Fixed issues related to SQL referential integrity.
001.000.003	001.000.066.000	04/16/2024	Updated documentation to 1.0.66 standards.
001.000.004	001.000.068.000	05/08/2024	Microsoft work account integrated login. Microsoft AppSource integration.
001.000.005	001.000.071.000	05/14/2024	Improved login experience.
001.000.006	001.000.071.000	05/15/2024	Added troubleshooting section.
001.000.007	001.000.072.000	05/16/2024	Fixed issues with the merge log.
001.000.008	001.000.074.000	05/29/2024	Automatic 30-day trial without registration. Microsoft model auto- detection. Atlantic Oak licensing outside AppSource.
001.000.009	001.000.075.000	05/30/2024	Trial extension renewal dialog.
001.000.010	001.000.080.000	07/22/2024	Changes to the solve conflicts dialog, undo or check in form improvements, database versioning error.



# Introduction

The Cordova system was created to make it easy to promote Dynamics 365 for Finance and Operations source code between TFVC (Team Foundation Version Control) code branches.

Cordova will also make it easy for you to communicate those code promotions to your team.

Cordova has powerful auditing capabilities that will allow you check when and how those code promotions have been made.

Cordova will also allow you to test the compilation of the remote repositories after a code promotion to make sure that your Azure Pipelines will execute successfully.

Cordova will significantly cut the time you spend doing DevOps work for Dynamics 365 for Finance and Operations.



# Trial Period

You can download the latest version of the product from <u>https://atlantic-oak.com/Downloads/D365FO\_Cordova\_TFVC</u>.

You can test trial Cordova for a period of 30 days. No registration required. You can request extensions to this trial period.

During the evaluation period, prospective clients are entitled to the same level of support as our regular customers.



# Support

If you require assistance, experience problems or if you have any questions or comments send us an e-mail to <u>support@atlantic-oak.com</u>.

Our support services include answering questions about the existing functionality of our software, general suggestions and expedited bug fixing. Regular support requires competency in the technology and development environment being used (Dynamics 365 for Finance and Operations, Visual Studio and Azure DevOps).



### Installation Instructions

Cordova can be installed in any Windows system. Since Cordova requires SQL Server and access to the TFVC repositories, plus the x++ compilers, it makes sense to install Cordova on a D365F&O one box environment. The one box environment can be a local or cloud hosted environment. The install program will search for earlier versions of Cordova and will remove them if present. There is no need to uninstall them first.

Once you have downloaded the installation package from our website at:

https://atlantic-oak.com/Products/D365FO\_Cordova\_TFVC\_Management\_System

**Important: you must unblock the .zip file.** Extract and double click on the CordovaSetup\_V\_XXX.XXX.XXX.msi file contained in the zip file. It will launch the setup wizard.

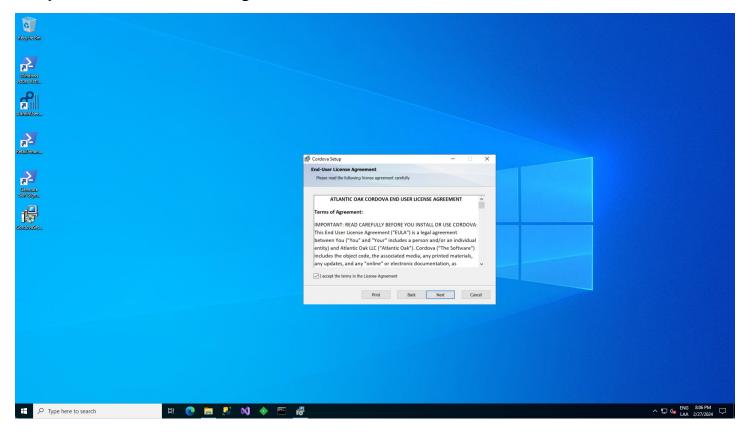


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Click on the **Next** button.



Read the Atlantic Oak Cordova End User License Agreement. Once you have finished, mark the "I accept the terms in the User Agreement" check box.



Click on the **Next** button.



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#### Select the install directory or leave the default selection (recommended).

Click on the **Next** button.

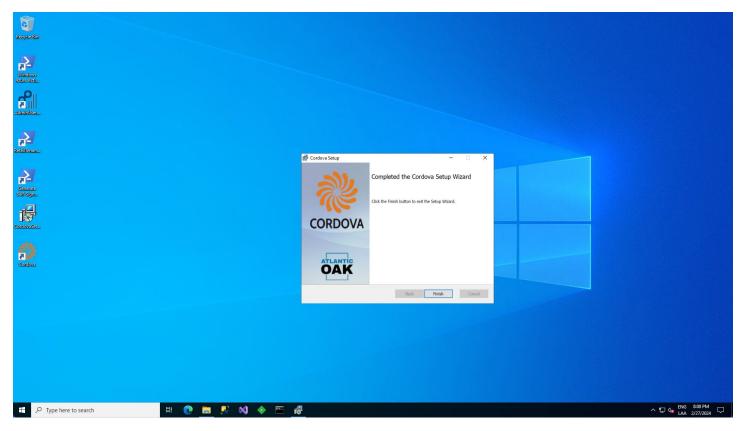


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Click on the **Install** button to continue.



Once the install has finished successfully you will see the completion screen.

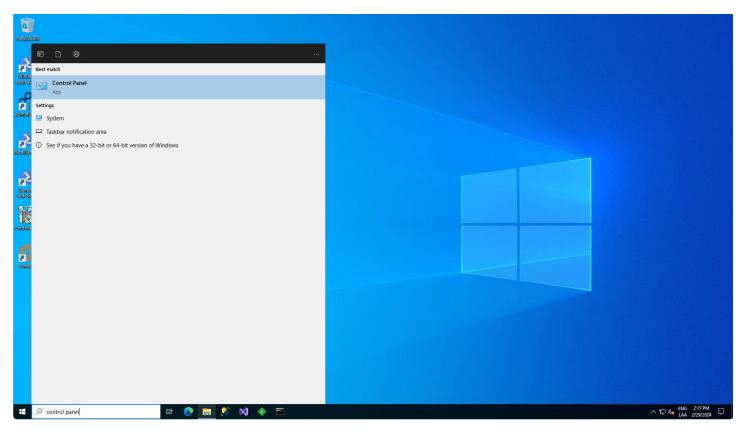


Click on the **Finish** button to exit the setup wizard.



# **Uninstall Instructions**

Type **"control panel"** in the Cortana search bar at the lower left-hand side of the windows environment.





### Click on **"Uninstall a program"** under **Programs**.

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#### Select Cordova and click on the Uninstall button.

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To uninstall or change or e</th> <th><ul> <li>← → ~ ↑ □ &gt; Control Panel &gt; Programs and Features</li> <li>↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓</li></ul></th> | Beoward for SQL Server 2019       Microsoft Corporation       91/4/2023       18.6 MB       5.0.200.5         Condrow       Allenti CoALL/C       22/27.004       82.8 MB       0.0.47         Explane       Edipare Temurin JDK with Hotspot 0.302-068 (old)       Eclipare Foundation       91/3/2023       136 MB       8.0.302.8         Tier Fielder Cap       De Grid Development Community       91/3/2023       139 MB       2.11.0.3       16         Bis 10.0 Express       Microsoft Corporation       91/3/2023       138 MB       10.0.08009       16         Microsoft Access database engine 2016 (Englith)       Microsoft Corporation       91/3/2023       132 MB       10.0.08009         Microsoft Access
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Control Panel &gt; Programs &gt;&gt; Programs and Features → ▷                Search Programs and Features →               ∑             Search Programs and Features →                 Loncoll Panel Home             View installed updates</li></ul></td>   | Image: Condox's       Attantic Use: CLC       2/2/2024       2.64 Min       10.49         Image: Condox's       Image: Condox's       1/2/2024       1/2 Min       1/2/2024       1/2 Min         Image: Condox's       Image: Condox's       1/2 Min       1/2 Min       1/2 Min       1/2 Min       1/2 Min         Image: Condox's       Image: Condox's       Image: Condox's       1/2 Min  | Attaint C Ust LLC       2/2/2024       42.5 M       10.49         Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Fiper Foundation       9/12/023       138 M8       60.302.8         Image: Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Fiper Foundation       112/0204       42.6 M       10.49         Image: Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Fiper Foundation       9/12/023       138 M8       60.302.8         Image: Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Fiper Foundation       9/12/023       135 M8       10.00.0009         Image: Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Microsoft Coporation       9/12/023       138 M8       14.12.24.233         Image: Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Microsoft Coporation       9/14/023       138 M8       14.12.24.233         Image: Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Microsoft Coporation       9/14/023       12.0 M       15.0544.1000         Image: Cipper Berunin (DK with Hotspot 8u02-b08 (s02)       Microsoft Coporation       9/14/023       2.9 M       40.4000.0         Image: Cipper Berunin (DK with Hotspot 8u02-b2.7       Microsoft Coporation       9/14/023       2.9 M       40.4000.0         Image: Cipper Berunin (DK with Hotspot 8u02-b2.7       Microsoft Coporation       9/14/023       2.10 M8       10.2010.5.0   
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# The system will prompt you: "Are you sure you want to uninstall Cordova?", click on the Yes button.

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### After a few seconds **Cordova** will be uninstalled from your system.

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		Microsoft Azure Compute Emulator - v2.9.7	Microsoft Corporation	9/13/2023		2.9.8999.43			
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# Setup

To begin setup, after successfully installing the product, click on the Cordova desktop icon that was created on your desktop during the install process.



After the initial 30-day trial period, the system will ask the user to login using their Microsoft Work Account. In order to log in, the user must then have a valid Cordova license.

### License

After the initial 30-day trial period, each user will require a license. You can purchase licenses in Microsoft AppSource:

https://appsource.microsoft.com/en-us/product/web-apps/atlanticoakllc1619304421451.96150ef4-9f0e-40b3-abbd-3ef0a50ea60c?tab=Overview

By creating a subscription in AppSource you are automatically granted a 1-month trial period. You can cancel anytime during this trial period.



After purchasing licenses, you can assign them to users in your organization by going to the Microsoft 365 Admin Center:

https://admin.microsoft.com/Adminportal/Home#/licenses

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Users will need asigned licenses if they are going to use Cordova beyond the 30-day trial period.



#### When Cordova loads for the first time, you must configure all the settings in the system.

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There are five different configuration screens:

- General settings.
- Branches.
- Form configuration.
- Report configuration.
- Build configuration.

General settings should be configured first, followed by branches.



### **General Settings**

The General settings dialog is divided into four tabs:

- Database
- Azure DevOps
- Folders
- Executables

The Database tab is used to specify Sql Server connection information to the Cordova database that is created on system startup. In a one box environment the settings are populated by default. They should not be changed, unless needed.

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#### Tab controls:

**Database server:** The SQL database server name. Generally **localhost** for one box environments. It can also be an IP address, or **.\SQLExpress** for SQL express installs for example.

Authentication: Windows Authentication or SQL Server Authentication.



**Database:** The name of the Cordova database. On initial startup Cordova will create a database called AOCordova.

**Username:** The SQL server administrator username.

**Password:** The SQL server administrator password.



In the Azure DevOps tab, you must enter the settings to connect to the Azure DevOps instance that is being used by your organization,

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#### Tab controls:

**Org URL:** It is generally of the form <u>https://dev.azure.com/YourOrganizationName</u>. If in doubt, ask your system administrator or contact us at <u>support@atlantic-oak.com</u>.

**Personal access token:** The personal access token created in Azure DevOps to allow third party software access. You can navigate to: <u>https://learn.microsoft.com/en-</u><u>us/azure/devops/organizations/accounts/use-personal-access-tokens-to-authenticate</u> for more information.

**Project:** The name of the project that contains Dynamics 365 for Finance and Operations code. An organization can have several projects so ask your system administrator or contact us at <a href="mailto:support@atlantic-oak.com">support@atlantic-oak.com</a>. Use the button on the left (the one with three dots) to bring up the project selector dialog.



**Workspace:** The workspace that contains the branch mappings, you can get this information from Visual Studio. You might have more than one workspace in your system, and the rule of thumb is to use the workspace that has any number of mappings. Unused workspaces will have 0 mappings. If in doubt, ask your system administrator or contact us at <a href="mappings/support@atlantic-oak.com">support@atlantic-oak.com</a>. Use the button on the left (the one with three dots) to bring up the workspace selector dialog.

Once you have configured all the above values click on the **"Full DB update"** button. Cordova will begin querying Azure DevOps and copying data to the local database. Depending on the size of the database this operation might take a few minutes or longer.

The **"Incremental DB update"** button can be clicked when you feel like the local DB needs an updated dataset. But generally, Cordova takes care of updating the DB automatically.



The folders tab is populated with values by the system by default. These folders are used to keep temporary and other files, such as reports, that are generated by the Cordova system.

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#### Tab controls:

**Working folder:** The path to the working folder for the system. This folder will store several files such as reports.

**Packages folder:** The packages folder on one box systems. Will be blank if Cordova is running on a system that is not a one-box.

Build log folder: Will contain temporary files created during build processes.



The executables tab is populated with values by the system by default. It contains path information for executables that are invoked within the Cordova system.

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Tab controls:

**TF.exe location:** Path to the TF.exe executable.

Merge tool: Merge tool type. Currently the only valid option is "Visual Studio Diff Tool".

Merge tool location: Path to the executable for the merge tool.



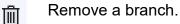
### Branches

The branches screen will allow you to specify which code branches of your project you wish to have as origins or destinations of merge operations.

#### **Toolbar buttons:**

+

Add a branch.



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#### Grid columns:

**Friendly name:** A short description to identify the branch. Will show up in reports instead of the repository path.

Path: The complete path of the branch in the Azure DevOps code repository.

**Local path:** (Optional) The mapping to the local machine. Will only be used by the TF.exe script generation process.

Page 27 of 67



### **Form Configuration**

The form configuration dialog will allow you to specify the merge or history operations that you execute frequently and want to keep handy. A history form will allow you to view the history of the changesets for a given branch and perform changes to the check in comments or change the associated Azure DevOps tasks. A merge candidates form will allow you to merge two branches.

#### **Toolbar buttons:**

- +Add a form configuration line.Image: Configuration lineRemove a form configuration line.
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Type Description Source branch Target branch Baseless	
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Grid controls:

Type: History or Merge candidates.

**Description:** A short description.

Page 28 of 67



**Source branch:** The source branch of the merge, or the main branch for history.

Target branch: The destination branch. Only required for type Merge candidates.

Baseless: When you want to perform baseless merges mark this checkbox.

Once the forms have been configured they will show up in the **Forms** menu.

Cordova - D365F&O TFVC DevOps Management Main Forms Reports Build Settings Help		- a ×
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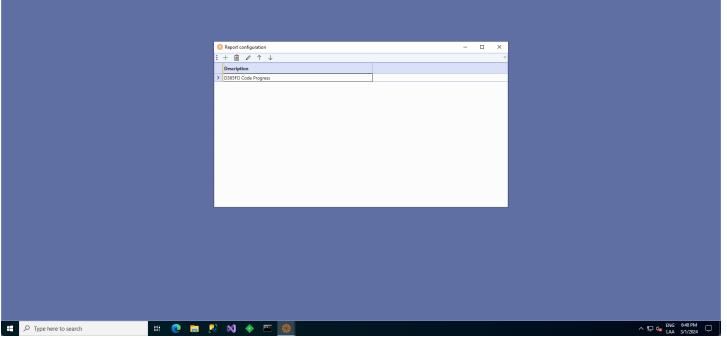
### **Report Configuration**

The Cordova system can produce excel style reports of changeset history and merge candidates that you can distribute to your team. The system can store several reports.

#### **Toolbar buttons:**

 +
 Add a report configuration line.

 Image: Image



#### Grid controls:

**Description:** A short description used to identify the report.



Once you are in the report details dialog you can specify the tabs that the report will have. A tab can be a history or a merge candidates tab.

#### **Toolbar buttons:**

- Add a report tab configuration line.
  - Remove a report tab configuration line.



 $\mathbf{J}$ 

+

Move line up.

Move line down.

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	+ m ↑ ↓ Type History Merge candidates History Merge candidates	Description DEV History DEV 2 TEST TEST History	\$/D365FO/Trunk/10-Dev \$/D365FO/Trunk/10-Dev \$/D365FO/Trunk/20-Test		X		
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#### Grid controls:

Type: History or Merge Candidates.

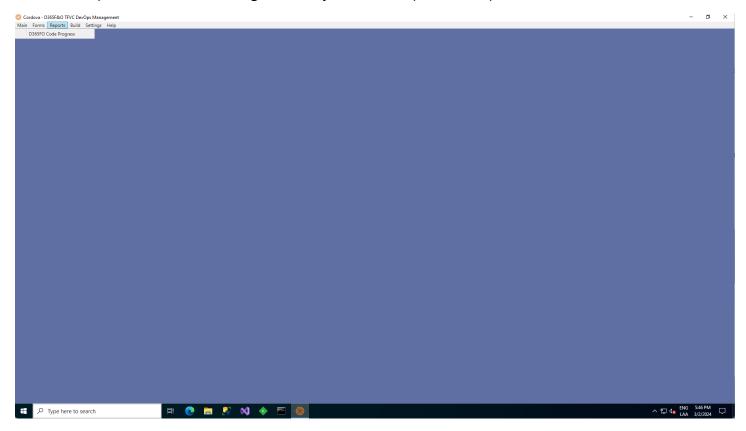
**Description:** A short description.

**Source branch:** The source branch of the merge or the branch for history.

Target branch: The destination branch. Only required for type Merge Candidates.Page 31 of 67



#### Once the reports have been configured, they will show up in the Reports menu.





### **Build Configuration**

After doing merge operations you can check to see if a branch is compiling correctly. You can do this for several branches using a single one-box. The build configuration allows you to specify which branches you wish to compile.

#### **Toolbar buttons:**

-	┢	Add a build config	gura	ation	line.			
Į	īΤ	Remove a build o	conf	igura	tion line.			
/		Move line up.						
		Move line down.						
		FVC DevOps Management Build Settings Help						- 0 ×
				🌼 Build cor : + 🗎			×	
					ion Branch \$/D365FO/Trunk/10-Dev	Metadata path C:\AOSService\PackagesLocalDirectory		
				TEST	\$/D365FO/Trunk/20-Test	C:\Repositories\Test\Metadata		
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#### Grid controls:

**Description:** A short description that will be visible in the top menu area.

**Branch:** The branch that will be compiled. Note: only metadata branches can be compiled. Project branches do not contain x++ code.

Page 33 of 67



Metadata path: The local path to the metadata path.

Once the builds have been configured they will show up in the Build menu.

Cordova - D365F&O TFVC DevOps Management Main Forms Reports Build Settings Help				- ø ×
Main Forms negotis puting settings nego DEV TEST PROD				
+ P Type here to search	Ħ 💽	🖬 🧟 📢	🔹 🖻 🏀	ヘ 行



## Troubleshooting

If your Cordova instance will not start because of a configuration error, you can start the application in maintenance mode.

Open a command prompt with elevated privileges. Type:

#### cd "C:\Program Files (x86)\Cordova"

Which is generally the path to the Cordova executable, unless it was modified when installing the product. Then type:

#### **Cordova /Settings**

Cordova will then take you to the General Settings screen.

Rocyale Bin						
Cordovo	<ul> <li>Administrator Command Prompt</li> <li>Microsoft Windows [Version 18.0,20348,2031]</li> <li>(c) Microsoft Corporation. All rights reserved.</li> </ul>		- 0	×		
Windows.	C:\Users\localadmin>cd "C:\Program Files (x86)\Cordova" C:\Program Files (x86)\Cordova>Crdova/Settings C:\Program Files (x86)\Cordova>					
Condoustel		🔅 General settings Options			×	
Asimin@Ear		Database Azure DevOps Fo Database server: Authentication:	Iders Executables			
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Generate Self-Sign.		PB35WULU.		Test cor	nnection	
				ОК	Cancel	
	1# 🕑 🛅 🕵 📢 🔶 🛅 鯼					^ 🕼 💬 🕼 ENG 2:44 PM

When you are finished doing the corrections you can close the dialog, all your new settings will be saved, and start Cordova.



### Forms

### **History Forms**

A history form will allow you to view the history of the changesets for a given branch and perform changes to the check in comments or change the associated Azure DevOps tasks.

### **Toolbar buttons:**



- Changeset properties.
- Files in changeset.
- Link changeset(s) to work item. ക
- Rollback changesets. 9
- Pending changes. P
- Copy as table. Π
- Refresh ( )

Cordova - D365F&O TFVC DevOps Management Main Forms Reports Build Settings Help

Changeset in	T Owner	Created date time	Changeset comments	Work item id	Description	Assigned to T SME T	Status T Tags T
	81.63 Dec.0000 00		4012 - E mail templates - Remove ling für from Azum Strauge		6-mail templates	haller hasterike	Clouid
1.181			405 - Aude Custilatis and Identifiatis - Carity when legging certain types	45.7	Audit Cutifable and Hendfable	Julio Luzardo	Chuned
1170	property interesting and any and		#EXD Density 1,2,75 install	40.00	Double 1.2.25 candida	Innia Means	Cloud
	Make and Provident and any any out		403 - Coats an extension on WorkforeCommertPrackingTable - Remove the update method code	40.0	Create an extension on WorkflowCommentPractingTable		Cloud
1 1.000	Advances in Strengthene Stands are party and			4525	Log-framp	Addre Lasserdine	Closed
1768	adulate in Prometower hand company com		403 Costs at extension on MachineCommercification/Idla	4525	Costs as estension on WorkflowCommentPrackingTable		Cloud
1040	ado have do Protectioned on party cost	1/10/00/01 111/00 PM	4027 Damasay 2401 Y install Add new like	407	Opranny 2401.1.2 deploy	Interior Menants	Cloud
1 1000	ado have to the meta-shark services		4027 Danasay 2401.12 digitiy. Remove 2401	4627	Opromogi 2401.1.2 depling	Jamie Meyers	Cloud
1758	ada hara di Qhanataarikaali angang con		#25 Audit Conflictie and Versifiable - Disable change tracking for log tables	4625	Audit Custifiable and Wendfable	Auto-Luzzerdio	Cloued
1756	Jaho have the phone transformed company com	UTUDER KOLDE PM	#25 Audt Cutflatis and Wendflatis - Check in mining object	4025	Audit Carifolds and Westfalls	Addre Lassender	Cloud
1756	ploker influence in a support		4026 - Audit Custilative and Vendfative	4525	Audit Custilable and Hendfable	tallo Lazardo	Chund
1140	prepara@humatourdsuit.ompany.com	1/5/0024 5/01/20 PM	4625 Dynamig 2407 - Add new loanse file	4625	Opromoge 24011 Deploy	Interna Mayora	Cloud
1740	prepara@hamatownfoodcompany.com	1/5/20204-4/2014/1754	4021 Dynamy 2407 - Nemone old Scenar Se	4625	Opromoty 2401 Deploy	Jamia Meyers	Cloud
1730	Jaho Autor Brightometroer Bundt company, con	1000004-64045-654	4074 - Remove uppMetadata futbers	4024	Update pipelines to include DM RJ Enhancements	Jamie Meyers	Cloud
1110	propertificant or factor page on	1000004-01021-PM	4625 Add Dynamig 2407 Nex to the tree	4625	Optimize 2401 Deploy	James Meyers	Closed
	propertificanticserfundcompany con-	VICTOR ADVIDUATE	4625 Remove Opnamy 2210 Nex	4625	Optimize 2401 Deploy	Jamia Meyers	Closed
10 1129	jube locar de @hometownfordscompany.com	12/06/0023 4/00/11 PM	4018 - Send purchase order as mail attachment - Order Items in log by created date time descending	4010	fered purchase order as real attachment	Aulio-Lussendro	Closed
1716	propert@honotowritedcompany.com	NETHINGS FREEZE PM	4623 Double 1.2.24 Instal New 2023	4623	Double 1.2.24 deploy	Jamie Meyers	Closed
1758	propertificant or fund on party can	10/10023-410.00 PM	4022 initial add of TUE Bas	4622	409 Td Enhancement addition	Jamie Meyer's	Closed
	jake have de @hometownfood company com	11/20/2021 AAU/01/PM	3846 - 494 and Open PO Lines Report Charges - corrected code that broke with 152.36	1046	4ML and Open PO Uses Report Changes	Julio Lumento	Cloud
1.185	julic locar de @hometioanfondcompany.com	11/8/0523 6:13/7 PM	4011 New nal sending system - Error handling in the and nal method	4903	New mail sending system	Aulio Luzando	Cloud
1796	jaho lucar de @hometownhook ompany.com	11/10023-225.01 PM	4801 - New mail sending system - Solution Ne checkin	4803	New real sending system	Autor Cogneties	Closed
1 100	page disenteed on page on	11(4)(553) 1.35-19 PM	4621 Dyamaway 2210 Deploy - Catch missing files	4621	Optaway 2010.1.1 deploy	Lamos Meyer's	Closed
1.190	jaks have de @hometowed.codi ompany.com	1106/0023 3:38:52 PM	1762 - Send insciss as real attachment - Include two methods into controller, add pattern to how	1762	Send institute as mail attachment	Julio Lumento	Good
10007	Instantigenetics and real real state	11(5)3823-8.0452-PM	4621 - Dynamity 221011 - Add rose film	4621	Opromoty 2010.1.1 deploy	Januar Meyers	Cloud
1000	(reproduced on any con-	N23120033328234M	4621 - Dynamog 2210.1.1 dagley - Remove 2007	4521	Opraway 2010.1.1 deploy	Jamia Meyers	Closed
	jalis have do promotioned company com	19/24/2023 11/20:57 PM	4013 Add mason code to inventory adjustment report. Add cole genelik to the report	4019	Add means code to insentory adjustment report	talle Lazardo	Closed
1988	jaks have delighter reference of and company com	10/04/0521 2 13:20 PM	4797 - Wendor Collaboration - Une e-mail templates	4797	Wendor Callaboration	Julie Lumerite	Closed
1987	Julia hase do @formationed company com	TERMONICE VALUE PM	4012 - Add mason code to insentory adjustment report: include privilege and extended duties	4010	Add master code to insertiory adjustment report	Adie Laterda	Closed
1000	Jaho have delighter without company con	10/25/2022 4:32/02 PM	403 - Send purchase order as real attachment - testing code comp with new sension	4018	Send purchase order as mail attachment	Julie Luzerdo	Closed
1679			1962 - Send involus as real attachment - ancarity privilege improvement	1762	Send inspice as mail attachment	Julio Luzarda	Chesed
96/78			401 - Seed parchase order as mail attachment - Logging	4010	fend parchase order as real attachment	Julio Lazardia	Good
16,77			3762 - Send invoice as mail attachment - Added delsig code	1762	Send involve as real attachment	Adio Lusierdio	Cloud
1676			1962 - Send invistor as mail attachment - sensore debug code	1762	Send musice as mail attachment	Adv Lazerdo	Closed
1988			4020 Opraway Analytics Science - Add new	4525	Opraway Analytics deployement	Iamie Meyers	New
1986.7			4620 Oprawaji Analytica license display	46275	Opraway Analytics disployement	Interior Meyers	New
19863			4019 - Add mason code to inventory adjustment report	4010	Add masor code to insertiny adjustment isport	Ado Lucerdo	Closed
1000			1962 - Send Investor as mail attachment - Allow buttons on administrem to send multiple mails	1762	Tend motice as real attachment	Julio Luzardia	Closed
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#### Grid columns:

**Changeset Id:** The id of the changeset.

**Owner:** username of the person that created the changeset.

Created date time: changeset creation date/time.

Changeset comments: changeset comments.

Work item id: the associated work item id.

**Description:** the work item description.

**Assigned to:** person responsible for the changeset.

**SME:** subject matter expert.

Status: status.

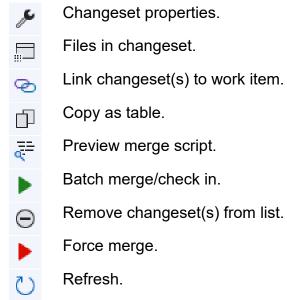
Tags: tags associated with the work item.



### **Merge Candidate Forms**

A merge candidates form will allow you to merge two branches.

#### **Toolbar buttons:**



21		s Edit Merge View							
	Changeset id <b>T</b>	₹ ► Θ ► Ŭ Owner ▼	Created date time	Changeset comments	Work item id T	Description	▼ Assigned to ▼ SME	T Status	▼ Tags ▼
	1799	jalis hareds @honetoerfloods ongang com		4024 - Nemous spekketadata kullers	4824	Update pipelines to include OM TUE Enhanceme		Cloud	
	14827		4/10/0021 1-40-27 PM	4801 Dynamity 2004.1.1 Update - Remove old version	4821	Durnamour 2004.1.1 spedate	Jamie Means	Chungel	
		julo kasedo@hometosedicodcompany.com		4797 - Wender Collaboration - suchasts in label Na	4797	Wendor Collaboration	Aulto Luzando	Closed	
	1463	Merida and Annaloge Control of States		DEVOPS colleach 1357, colleach labels	3823	ApplaneCourageCatting/47 Solly issues	Julie Luzerlle	Cloud	
	1462	julis kondo@honetoenfoodcompany.com		4797 - Wendor Collaboration - label Ne check in	4797	Wendor Collaboration	Julio Luzardo	Cloud	
		julio lugar de @homatioaeribook ompany com		DEVOP5 colleack 1357	3623	RegistereCoverageCotting/V2 Entity Issues	Julie Luterille	Cloud	
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	1250	juli: lucard off-constraint code on party con-		2013 - RenyMendoy/Castomer Master Data Validation - Entity name connection	3653	Rem/Mendoo/Castomer Master Data Validation	Aulio Luzzerlio	Closed	
	1249	jalo kondo@honetoerfoodcompany.com		3013 - Bern/Wendoc/Castomer Master Data Validation - Query preview	3453	Ben/Wendor/Customer Master Data Validation	Julio Luzardo	Closed	
		julis luzardis@homefcaerRoads.ompany.com		3651 - Benyllendox/Customer Master Data Validation - Added garry preview screen partial		Bern/Mendoc/Customer Master Data Validation	Autor Custandin	Cloud	
	1345		8/10/2021 6:38:17 PM	3653 Item/Nendos/Customer Master Data Validation - guery grid changes	9453	New/Newbo/Castonie Master Data Validation	Ado Lucerdo	Cloud	
		juli: http://www.com/code.company.com		2013 - Reny Vendory Contorner Macher Data Validation - Snaf	3653	Ren/Mendor/Castomer Master Data Validation	Julio Luzardo	Chund	
	1238	plo los deficientes de la presión de la p		3013 Item/Vendor/Castomer Master Data Validation - Partial 8	3653	Bern/Wendor/Castorner Master Data Validation	Julio Lazardo	Cloud	
	1917	julis luzardis@hometownRoadcompany.com		3653 Rem/Wendor/Customer Master Data Validation - Partial	3653	Bern/Mendos/Castonier Master Data Validation	Autor Custor de	Cloud	
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	40	Indas/MaRROM@cullock.com	11/22/2019 9.38.16 PM	899-15/32/19-Custom Brentillas for David in HFC and Michael internally	18				



#### Grid columns:

**Changeset Id:** The id of the changeset.

**Owner:** username of the person that created the changeset.

Created date time: changeset creation date/time.

Changeset comments: changeset comments.

Work item id: the associated work item id.

**Description:** the work item description.

**Assigned to:** person responsible for the changeset.

**SME:** subject matter expert.

Status: status.

Tags: tags associated with the work item.



### **Changeset properties**

Displays a right pane with the files that are contained in the changeset.

The **changeset properties** command can be invoked in history and merge candidate forms by clicking this icon:



history					>	Changeset 1677
k items and changeset						Info Changeset 1677
<u>۴ 🗖 حه</u> ۲ (	8 D O					AO-MAIN1
Changeset id T	Owner T	Created date time	Changeset comments	Y Work item id	Description	
1780	photographic and surface to a series of the second se	2/28/2024 643/25 PM	4012 - E-mail templates - Remove trop file from Assee Storage	4812	E-mail templates	Comment
1781	julio.http://www.indowerlandicompany.com	2/28/2024 6/28/08 PM	4825 - Audit Custifable and Vendfable - Clarity when logging certain types	4625	Audit CustTable and VendTable	3762 - Send invoice as mail attachment - Added debug code
1778	jnegers@honetour/lookcompany.com	2/6/2024 1/32/18 PM	4EID Dearkit 1.2.25 install	4630	Deal/F 1225 update	
1775	plate have do @hometownhook.ongang.com	2/2/2024 8/2018 PM	403 - Ceate an extension on WoldfowCommentTrackingTable - Remove the update method code	4528	Create an extension on WorkflowCommentTracking	<ul> <li>\$/HFC-D365FO/Trunk/10-Dev/Metadata/HFC/HFC/AxC</li> </ul>
1771	julia laserato @humationedicalisimpany.com	1/90/2024 10:38-13 PM	4529 - Log chersp	4629	Log cleanup	HFC_InvoiceEmailProcessor.xml
1768	julia hase to @hometownhoodcompany com	1/24/2024 4/28/22 PM	403 - Create an extension on WorkflowCommentTrackingTable	4628	Create an extension on WorkflowCommentTrackin	<ul> <li>\$/HFC-D365FO/Trunk/10-Dev/Metadata/HFC/HFC/AxF</li> </ul>
1761	julis later do @hometownRoadcompany.com	1/16/2024 3/51/20 PM	4627 Dynaway 2401.1 install Add new Yes	4627	Oynaway 2401.1.2 deploy	HFC EmailPendingInvoices.xml
1760	plo lands@tunetourlookompery.com	1/16/2024 3.3648 PM	4627 Dynaway 2401.1.2 deploy: Remove 2401	4627	Dynaway 2401.1.2 depicy	\$/HFC-D365FO/Trunk/10-Dev/Metadata/HFC/HFC/AxL
1758	julia kaseda @humetownRoadcompany.com	5/11/2824 10:25:33 PM	4626 - Audit Custifable and Vendfable - Disable change tracking for log fables	4525	Audit Cutifiable and Vendflable	HFC Labels.en-US.Jabel.txt
1756	julia.http://www.endowellow.govy.com	1/11/2024 9/26/20 PM	4828 - Audit Custifable and Vendfable - Check in missing stiject	4525	Audit CustTable and VendTable	in mc_tabels.en-US.label.txt
1754	julio lucardo@homation=floodcompany.com	1/11/2024 9/05-42 PM	4828 - Audit Custilatie and Vendilatie	4525	Audit Custfable and Vendfable	
1749	jnayars@hunatourloub.ongary.com	1/5/2024 501/28 PM	4825 Dynaway 2401 - Add new license file	4625	Dynaway 2401 Depity	
1748	jnayars@hunatownlookcompany.com	1/5/2024 4/38-47 PM	4625 Dynaway 2401 - Remove old license file	4625	Dynamay 2401 Deploy	
1738	julia lucardo@homatourihoodcompany.com	1/2/2024 64245 PM	4024 - Remove appMetadata fulders	4824	Update pipelines to include DM ToJ Enhancement	
1752	jneger@honetour/lookcompany.com	1/2/2024 4/16/21 PM	4625 Add Dynaway 2401 Nas to the least	4625	Oynaway 2401 Deploy	
1730	jnayars@honatownhook.ongary.com	1/2/2024 40408 PM	4625 Remove Dynamicy 2310 Nex	4625	Dynaway 3401 Deploy	
1729	julie hearting humation for the many series	12/06/2022 4/08/31 PM	4018 - Send purchase order as mail attachment - Order items in log by created date time descending	4010	Send purchase order as mail attachment	
1716	jnayan@honatourRook.onpany.com	12/7/0823 7:52:32 PM	4823 DeoAP 1.2.24 Instal Nov 2023	4823	DenskP 1.2.24 deploy	
1756	jneger@honetour/lookcompany.com	12/1/2023 4 13:30 PM	4022 Initial add of Tul Nes	4622	4D/12 Enhancement addition	
1711	plicker#@uniterflockerpary.com	11/05/0523 446/00 PM	3848 - RNF and Open PO Lines Report Changes - corrected code that broke with 10.0.38	1040	RNI and Open PO Lines Report Changes	
1785	julic lucarity@isonation=flockcompany.com	11/8/2023 6 15/27 PM	4801 - New mail sending system - Error handling in the send mail method	4803	New mail sending system	
1754	phalos and prover and any spec	11/7/2023 2/25/21 PM	4811 - New mail sending system - Solution Re checkin	4803	New wall sending system	
1752	jneper@honetounlookcompany.com	11/6/2023 1/29/19 PM	4621 Dyanaway 2010 Deploy - Catch missing files	4621	Opnaway 2210.1.1 deploy	
1198	plickards@unatowfloaksrepary.com	11/6/2023 3:38:52 PM	2762 - Send invoice as mail attachment - include two mathods into controllar, add pattern to form	1762	Send invoice as mail attachment	
1887	jnayan@hunatownlockconpany.com	11/5/2023 8/04/52 PM	4621 - Dynamity 2210.1.1 - Add new Yes	4621	Dynamay 2310.1.1 deploy	
1696	jnapan@homatiounRockiompany.com	10/31/2023 3-28-23 PM	4621 - Dynaway 2010.1.1 deploy - Remove 2007	4821	Oynaway 2010.1.1 depiloy	
1680	julia lucardo@isonation/Readcompany.com	10/04/2023 11:20:57 PM	4219 - Add mason code to inventory adjustment report - Add role specific to the report	4819	Add reason code to inventory adjustment report	
1663	pla landa@landowlaskongary.com	10/04/2023 2:13/20 PM	4797 - Vendor Collaboration - Die e-mail templates	4797	Vendor Collaboration	
1881	julia laseral @hometownfoodcompany.com	10/04/2023 1:58:32 PM	4019 - Add mason code to inventory adjustment report-include privilege and extended duties	4019	Add reason code to inventory adjustment report	
1680	julie have the Prometown Rooth ompany some	10/23/2023 6.3242 PM	4018 - Send purchase order as mail attachment - testing code comp with new version	4010	Send purchase order as mail attachment	
1679	julio lucardo @homatourilo okompany com	10/25/2523 521-39 PM	2762 - Sand invoice as mail attachment - security privilege improvement	1762	Send invoice as mail attachment	
1678	plickants@www.www.eutompary.com	10/23/2023 5 19:51 PM	4018 - Send purchase order as real attachment - Logging	4010	Send purchase order as mail attachment	
Internet	juic has to Dismatch build on party con-	10/18/2023 3:53-09 PM	3752 - Send involve as real attachment - Added delog code	3762	famil involce as mail attachment	
1676	julio.https://www.investore.https://www.inve	10/13/2023 5.33-48 PM	1792 - Send involva as mail attachment - remove debug code	1762	Send involce as mail attachment	
1968	jnayard@honatounRook.ongany.com	10/12/2023 1-15.51 PM	4620 Dynavay Analytics Icama - Add new	4625	Dynaway Analytics deployement	
1967	jnapar@honatownlook.onpary.com	10112/0823 11431 PM	4620 Dynawsy Analytics license depiloy	48.00	Dynaway Analytics deployement	
1985	julia haarda @hamatourikask.ongany.com	15/9/2023 942-37 PM	4019 - Add mason code to inventory adjustment report	4019	Add reason code to inventory adjustment report	
1963			1782 - Send involtes as mail attachment - Allow buttoms on admin form to send multiple mails	1762	Send involve as mail attachment	
Tarra .	eri interi	*****	lates e an in a sub-sub-sub-sub-sub-sub-sub-sub-sub-sub-	10750	leter a second second	



### **Files in changeset**

Displays a simplified list of all the files in the changeset or changesets that have been selected by marking the checkbox on the left.

The **files in changeset** command can be invoked in history and merge candidate forms by clicking this icon:



	TEST merge candida					×		changesets		
		Edit Merge View					Edit			
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	Changeset id T		Created date time		Work item id				▼ File type ▼	
~	1738	julic haards@hornation=floads.organy.com	<ul> <li>VEDDE 64545 PM</li> </ul>	4024 - Remone opphiletaliete fuitiers	4034	Cardene popula		HFC_Ladeds.en-US label.txt	Sext File	
~	1467	jeagard@tonatourRoakcergary.com	4/10/2023 34827 PM	4821 Dynamoy 2004 1.1 Upitate - Remove slit version	4821	Synamics 200		Dynamics, AX DynaxiayCommon Stratmodule	Linker Input File*	
~	1454	julie house the @Austration Plants on party con	440000 21421 PM	4797 - Hendor Collaboration - Hoheck in Jakel Ste	4797	Street or Carlind		Dynamics.AX DynavayCommon.dll	Dynamic Link Library	
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	1482	Julia Latertic Prometown Public regary con	4-9/2002 115,26 PM	4797 - Hendor Collaboration - Jakel Tie check in	4797	Wandar Calls		Dynamics.AX DynawayForms.Epubl	Program Database File *	
	1401	julio hoards @hometownRoutcompany.com	4/4/2022 112/19 PM	DEvOPS -offseck 1057	1422	Register Cont		Opramics.All Dynaxog/Tyrms Classifictends runtime	Burtime File *	
	1402	parter (acobe@Ressaratives.com	10/17/2022 4-46-00 PM	1838 Dynamic Upgrade	10100	Dynamic 223		Dynamics.XX DynavayForms.Deleteluctions.nutrine	Runtime File *	
	1428	parter jacobs@Ressarativesation.com	10/10/2022 842/16 PM	1828 - Delete from Dev tranch again	1616	Dynamic 220		Dynamics, AX DynawayPorns, dll	Dynamic Link Library	
	1427	parties parallel Pressage investigation com-	10/10/2022 4:21-41 PM	JRDR - VD Dynamity	1626	Opening 220		Opramics AX Opraway function 3 retrinodule	Linker Input File *	
		parker jacobs@ferroamines.ation.com	No/110822 12/27/54 PM	1828 - Remove Dynamic utgetts - reduc	1624	Dynamic 220		Opramics, AX Opraway luvetion: CaseButends runtime	Burtime File *	
	1422	prepara@hometourribusk.ompany.com	10/6/2022 1:53,29 PM	1838 - Remove all Dynamig Innarias	10200	Dynamic 220		Dynamics, AX Dynaway function Dalatack tions, surtime	Runtime File *	
	1207	pla load from the first series of	4/2/0522 5:57:17 PM	1823 ReghereCoverageCetting(12 Svilly issues	3623	Replandore		Dynamics, AX Dynaway/unction.dll	Oynamic Link Library	
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	5251	Julia Accentic @NormationerResult company 200	\$12,0001 8:00.44 PM	3853 Item/Vendor/Customer Marter Data Valuation - Overged group key length	2412	fam. familie.		Dynamics, KR Dynavayl, school KMA 8 pells	Program Database File *	
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	1049	Julia Lasertin Prometown Roads on party con	\$110001 abaits PM	1852 - Ners/Vendor/Customer Waster Data Valuation - Query preview	36753	Same Strengton		Dynamics AK Dynawayl schoutEAM ChainOK snomandModule retinostule	Linker Input File *	
	1047	alls have to phone that any any car	AND DEPT BADDER PM	1853 - Item/Newto-Customer Marke Data Validation - Added query preview screen parts	ar 38753	Same Streeting		Dynamics, KK DynawayLocksudEAM ClassExtends.runtime	Burtime File *	
	1245	mean Pronatour Rock on para con	4/10/2021 6:38-17 PM	1853 Item/Newtor/Customer Master Data Validation - query grid changes	2472	family friendland		Dynamics.XX DynavayLocksudEXM dfl	Dynamic Link Library	
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		all has to plant and any service		1853 Item/Newton/Customer Marine Data Validation - Partial	10010	Same Viewality		Dynamics, KK DynaxiayMaintenanceDetailmport.dll	Dynamic Link Library	
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-								Dynamics. KK Dynaway Common: DrainOfCommandModule.pdb	Program Database File *	

#### **Toolbar buttons:**



Copy as table.



## Link changeset(s) to work item

Links a changeset or changesets to an existing work item.

The **link changeset(s) to work item** command can be invoked in history and merge candidate forms by clicking this icon:

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hangeset id	Owner T	Created date time	Changeset comm	ents		Y Work item id Y	Description		Assigned to T SI	ME 🍸 Status	▼ Tags ▼
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### **Rollback changesets**

Rolls back changesets that have been selected by marking the checkbox on the left.

The **rollback changesets** command can be invoked in history forms by clicking this icon:

Cordova - D85F80 TWC Dex-Ops Management          Main       Stress       Reports       Build       Settings       Help         DEV2 TIST MC       TEST History </th <th>- a ×</th>	- a ×
Main       Series       Reports       Build       Settings       Help         DEV_ZETSITIOL       TEST History	
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Nome         Changeset id Y         Owner         Created date time Y         Changeset comments         Work item id Y         Description         Assigned to Y         Status Y         Tags Y           2         2         413         3/4/2024 83335 PM         5 - Arine Document Exchange System - More comments         5         Arine Document Exchange System         Done         Image: Comment Exchange System         Image: Comment Exchange System <th></th>	
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✓ 412 3/4/2024 833.45 PM 5 - Ariene Document Exchange System - Adding comments 5 Ariene Document Exchange System Done	
408 3/4/2024 2:18:59 PM Creating 20 - TEST branch 0	
Totack	
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Once you initiate a rollback operation, the system will prompt you to confirm the rollback of the selected changesets.



Once the rollbacks have been	finished the system will show	you the merge log of the operation.
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] 3	2	3/4/2024 8:35:32 PM					ROLLBACK CS:413 - 5 - Ariene Document Exchange System - More comments		Ariene Document Exchange Sys		~	2	
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The system will automatically check in the comments for the rollback. A "ROLLBACK" text in capital letters followed by CS and the changeset number that was rolled back plus the original description of the changeset.



## **Pending changes**

Displays a right pane with a hierarchical list of all the pending changes in the workspace.

The **pending changes** command can be invoked in history forms by clicking this icon:

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istory	gesets Edit View	×	Pending changes
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1761	plo Load de Pontos regel y con 1/6/203 35132 PM 4627 Dynamic 24011 instal Add new Tea	417	C:\Users\Admin7210f4d631\source\repos\ADO4819_AddReasonCodeToInvAdj
1760	julio lucardo Bhomatourihuskompany com 1/16/2024 33648 PM 4827 Dynaway 3401.12 depity Ramove 3401	427	ADO4819_AddReasonCodeToInvAdj.sin
1758	puls have to grant grant and the second seco	453	
1756	pilo hand differentise have been been been been been been been be	453	
1754	personal and the second s	453	
1749	presentation of the second sec	403	
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1714	preparation and a second secon	452	
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1705	plin Lazeria Dhometownia angerg com 11/0/2023 41327 PM 4802 - Yao mail anding splan - Error handling in the and nal method	403	
1754	pilo handral Promatown backgroup and an 11/2/2022 22/3/1 PM 4803 - New mail among grow in the dealing in the and the method	483	
1752	preparation provide sentences and a sentence of the sentence o	4521	
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1687	preparadition and the second s	401	
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1482	per la la contra provincia en par y con 1924 2023 2.13.20 PM 4/97 - Vendor Collaboration - Una e mai templates	4707	
1481			
1680	julio kazerdo@hometownfoodcompany.com 10/24/2023 13832 PM 4819 - Add reason code to inventury adjustment report-include privilege and inferreded dut julio kazerdo@hometownfoodcompany.com 10/25/2023 63252 PM 4818 - Send purchase order as neal attachment - texting code comp with new remion	413	
1679	pills sparticiphonetownholdcompany con 1923/2021 52/129 PM 1919 - Send purchase order is nar attachment - acunty privlege improvement pills luperin@hunetownholdcompany con 1922/2021 52/139 PM 1910 - Send invoice as mail attachment - acunty privlege improvement	110	
1678	pilo Landa Provide Handra (1997) 2011 12:121 14:11 14:1 14:10 14:1	419	
1677		174	
1676	jalis kaanta@hometoonfisalisangany.com 10/19/2023.35309.PM (2014) - Send Invoice as mail attachment - Added debug code jalis kaanta@hometoonfisalisangany.com 10/15/2023.53348.PM (2014) - Send Invoice as mail attachment - semone debug code	176	
1000	process@humetowhook.ompany.com 10/12/2020 11551 PM 4820 Dynamic Analytics Scame - Add new	40	
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# Copy as table

Copies an HTML table representation of the changesets that have been selected by marking the checkbox on the left. Useful for communicating code promotions to your team as the HTML table can be pasted into e-mails.

The **copy as table** command can be invoked in several types of forms forms by clicking this icon:

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							Test deployme	ent - Message (H	itml)		
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6025	22	10/04/23 14:16:23	DEV	1661	TEST	1662	3762 - Send invoice as mail attachment - Taking code outside the loop as a possible fix	3762	Send invoice as mail attachment	Merge	
7025	23	10/05/23 15:37:21		1663	TEST	1664	3762 - Send invoice as mail attachment - Allow buttons on admin form to send multiple mails		Send invoice as mail attachment	Merge	
8025	24	10/10/23 21:56:27	DEV	1665	TEST	1666	4819 - Add reason code to inventory adjustment report	4819	Add reason code to inventory adjustment report	Merge	
											n (Ctrl) 🗝

Best Regards,

#### Julio Luzardo



10685 Hazelhurst Drive Suite 820 Houston, Texas 77043 O: +1 (470) 582-0912 Ext. 456 M: +1 (470) 552-0002 http://www.bootes.co



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### **Preview merge script**

Allows you to preview a TF.exe merge and check in script that you can copy or save. Useful if you want to run the script using TF.exe.

The **preview merge script** command can be invoked in merge candidate forms by clicking this icon:

ordova	- D35F&O TFVC DevOps Management
Form	is Reports Build Settings Help
	T merge candidates DEV to TEST merge candidates
ions 1	
1 2 3 4 5 6 6 7 7 8 9 10 11 12 13 14	4 Compare His C
•	4
TEST	merge candidates (\$/HFC-D365FO/Trunk/10-Dev to \$/HFC-D365FO/Trunk/20-Test)



### Merge

►

Allows you to quickly merge and check in a changeset or several changesets at once.

The **merge** command can be invoked in merge candidate forms by clicking this icon:

	s керопts в Merge Candida	Build Settings Help								
		stes s Edit Merge View	Options							
	angeset id 🝸		-	T Changeset comments	•	Work item id <b>T</b>	Description	Assigned to <b>Y</b> SME	Status V Tags V	
47		Owner								
47		pro contra da entre ca	3/10/2024 2:58:14 P 3/10/2024 2:57:38 P	M 5 - Ariene Document Exchange System - Create workflows M 5 - Ariene Document Exchange System - Restrict access to		5	Ariene Document Exchange System Ariene Document Exchange System		Done	
<ul> <li>4/0</li> <li>✓ 469</li> </ul>	-	per care para ta				5			Done	
409		processing and the second second	3/10/2024 2:55:31 P	M 5 - Ariene Document Exchange System - Retrieve data usin M 3 - Cordova - Define new entities to store custom data.	g receivante quenesi	3	Ariene Document Exchange System Cordova	Auto Lucardo	Done	
400			3/10/2024 2:54:48 P			v	Ariene Document Exchange System		Done	
<ul> <li>40.</li> <li>✓ 468</li> </ul>			3/10/2024 2:50:30 P	51 1 5		2	Cordova	Address of the Owner of the	Done	
<ul><li>✓ 400</li><li>✓ 465</li></ul>			3/10/2024 2:49:32 P			3	Cordova	Info Longith	Done	
464			3/10/2024 2:48:44 P			5	Ariene Document Exchange System		Done	
46			3/10/2024 2:47:56 P			5	Ariene Document Exchange System		Done	
463			3/10/2024 2:46:58 P			2	Cordova	Info Longith	Done	
✓ 46		and the second second second	3/10/2024 2:46:17 P			5	Ariene Document Exchange System		Done	
460			3/10/2024 2:45:23 P	, ,		3	Cordova	Addre Lassendin	Done	
459			3/10/2024 2:44:02 P	2 10 1 1		3	Cordova	Julio Lucardo	Done	
458			3/10/2024 2:43:10 P		-	5	Ariene Document Exchange System		Done	
45	-		3/10/2024 2:42:16 P	E. Ariana Damarata Europeana Custore, Defensionentein		-	Ariene Document Exchange System		Done	
		for the subscription of		Configure Business Rules for Calculations: Use business rule	A second s	<u>,</u>	1 .			
456		pris laseria Batleria ca	3/10/2024 2:41:26 P		Merge		Cordova	Auto Lucardo	Done	
455		pris lucerto Batterito na	3/10/2024 2:40:42 P	3.7 1.5			Ariene Document Exchange System		Done	
454		pro contrabativos ca	3/10/2024 2:39:51 P		Are you sure you want to merge the selected	I changesets?	Ariene Document Exchange System		Done	
453		producers defense of	3/10/2024 2:11:51 P		-		Ariene Document Exchange System		Done	
452		pris Loants Batterito va	3/10/2024 2:11:02 P				Ariene Document Exchange System		Done	
45		processing analysis of	3/10/2024 2:10:10 P	2.7 7	Yes	No	Ariene Document Exchange System		Done	
450		processing and the	3/10/2024 2:09:26 P			3	Cordova	Auto Lucardo	Done	
449		pro contrabations of	3/10/2024 2:08:32 P	2.7		5	Ariene Document Exchange System		Done	
<ul> <li>✓ 448</li> <li>447</li> </ul>		processing and the	3/10/2024 2:04:02 P			5	Ariene Document Exchange System		Done	
44		pro completente ca	3/10/2024 2:02:36 P	2.7 11		5	Ariene Document Exchange System		Done	
		producer in the second se		M 3 - Cordova - Design and configure business process flows		3	Cordova	Adv Lotertle	Done	
<ul> <li>✓ 445</li> <li>▲445</li> </ul>		processing and the		M 5 - Ariene Document Exchange System - Configure lookup		5	Ariene Document Exchange System		Done	l
		processing analysis of	3/10/2024 1:59:21 P		fores using receiving queries	5	Ariene Document Exchange System		Done	
443		produce in the second car		M 5 - Ariene Document Exchange System - Automate process		3	Ariene Document Exchange System		Done	
<ul> <li>44₀</li> <li>✓ 44₀</li> </ul>				AM 3 - Cordova - Define custom actions to perform specific ta		5	Cordova	July Lucerdo	bone	
44		processing and the second second		AM 5 - Ariene Document Exchange System - Design a custom		5	Ariene Document Exchange System		Done	
44				AM 5 - Ariene Document Exchange System - Prevent duplicate		5	Ariene Document Exchange System		Done	
439				AM 5 - Ariene Document Exchange System - Develop plugins f		3	Ariene Document Exchange System	And Long to	Done	
438				AM 3 - Cordova - Enable auditing and track changes to records AM 5 - Ariene Document Exchange System - Modify quick crea		5	Cordova Ariene Document Exchange System		Done	
43					,	5			Done	
430				AM 5 - Ariene Document Exchange System - Define multi-selec	a nerosi	3	Ariene Document Exchange System			
43:		and the second s		AM 3 - Cordova - Set up security roles and configure access rig		3	Cordova	tally Laterille	Done	
		produce to be and to be		AM 3 - Cordova - Use web services or custom connectors to in		3		tally Later to	Done	
433		ter (f./D26EECOM/10DD	3/10/2024 11:28:08 / V to \$/D365FSCM/20 - TEST	AM 5 - Ariene Document Exchange System - Design mobile-fri	endly forms.	5	Ariene Document Exchange System		Done	

The system will prompt you: "Are you sure you want to merge the selected changesets?".



	s Edit Merge View Options									
ngeset id 🍸	Owner T Creat	ted date time 🍸 Ch	angeset comments			Y Work item id Y	Description T	Assigned to <b>T</b>	SME 🍸 Status 🍸	Tags 🝸
	3/10/	2024 2:58:14 PM 5 -	Ariene Document Exchange Sys	tem - Create workflows that	at execute immediately upon triggerin	ig events. 5	Ariene Document Exchange System	Table Laserthe	Done	
	3/10/	2024 2:57:38 PM 5 -	Ariene Document Exchange Sys	tem - Restrict access to spi	ecific fields based on user roles.	5	Ariene Document Exchange System	tally Langetty	Done	
	3/10/	2024 2:56:40 PM 5 -	Ariene Document Exchange Syst	tem - Retrieve data using F	etchXML queries.	5	Ariene Document Exchange System	And in case of the	Done	
			Cordova - Define new entities to			3	Cordova	tally Later No.	Done	
					ness process flows to match business		Ariene Document Exchange System	July Loopelle	Done	
			Cordova - Modify the layout an			3	Cordova	Adda Lange die	Done	
			Cordova - Add custom buttons	to the ribbon for specific a	ctions	3	Cordova	Table Loopelle	Done	
	3/10/	<sup>2</sup> <sup>(2</sup> ) Resolve conflict	ts					-	_ × _	
	3/10/	<sup>2</sup> Merge: DEV -> TEST	r							
	3/10/		Keep destination file							
	3/10/ 3/10/	DEV (441)	TEST (408)	View file differences	Merge changes in merge tool					
	3/10/ 3/10/									
	3/10/	Urigin changes	set 🝸 Destination changeset	▼ Suggested action ▼			7			
		> 441	408	Keep origin file	AODXSendFileInfo.xml \$/D365FSCN	//20 - TEST/Main/Metadata/ATLO	DDEX/ATLODEX/AxClass/			
	3/10/	-								
	3/10/	-							_	
	3/10/								_	
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	3/10/	2								
	3/10/	2024 1:59:21 PM 5 -	Ariene Document Exchange Syst	tem - Create custom repor	ts using FetchXML queries.	5	Ariene Document Exchange System	faile Lanette	Done	
			Ariene Document Exchange Sys			5	Ariene Document Exchange System		Done	
	3/10/	2024 11:55:06 AM 3 -	Cordova - Define custom action	ns to perform specific tasks		3	Cordova	Interlated	Done	
	3/10/	2024 11:53:00 AM 5 -	Ariene Document Exchange Sys	tem - Design a custom wo	rkflow to automate business processe	s. 5	Ariene Document Exchange System	Andre Lasserder	Done	
	3/10/	2024 11:47:09 AM 5 -	Ariene Document Exchange Syst	tem - Prevent duplicate rea	tords.	5	Ariene Document Exchange System	tallo Laserdo	Done	
			Ariene Document Exchange Sys		data synchronization.	5	Ariene Document Exchange System	Interimente	Done	
			Cordova - Enable auditing and t			3	Cordova	tally Laserille	Done	
			Ariene Document Exchange Sys			5	Ariene Document Exchange System		Done	
			Ariene Document Exchange Sys			5	Ariene Document Exchange System	tatio Laserdo	Done	
			Cordova - Set up security roles			3	Cordova	tale Land	Done	
			Cordova - Use web services or o			3	Cordova	talls Laterille	Done	
	3/10/	2024 11:28:08 AM 5 -	Ariene Document Exchange Syst	tem - Design mobile-friend	ily forms.	5	Ariene Document Exchange System		Done	

#### If the system detects a conflict during the merge, you will be presented with this screen.

It will suggest which file to keep and mark the corresponding button in green. You can also click on the **View the differences button** or use a merge tool to do a three-way merge (Merge changes in merge tool).



### Once the operation has completed successfully you will be presented with a merge log screen.

	lerge Candidates	Verge log										
Merge												
- D												
Log	id 🍸 Batch id 🎙	Created date time 🝸	Source branch 🝸	Source Changeset id 🍸	Target branch 🍸 🕇	farget Changeset id 🍸	Comments	🕇 Work item id 🍸	Work item descrtiption	Merge type 🍸	Merged T	Checked in
1004	¥ 7	3/10/2024 3:29:34 PM	DEV	441	4	172	5 - Ariene Document Exchange System - Design a custom workflow to automate business process	s. 5	Ariene Document Exchange System	Merge	~	<b>V</b>
1005	5 7	3/10/2024 3:29:37 PM	DEV	445	4	173	5 - Ariene Document Exchange System - Configure lookup fields to display related records.	5	Ariene Document Exchange System	Merge		~
1006	5 7	3/10/2024 3:29:40 PM	DEV	446	4	174	3 - Cordova - Design and configure business process flows for guided user interactions.	3	Cordova	Merge		
1007	7	3/10/2024 3:29:44 PM	DEV	448	4	175	5 - Ariene Document Exchange System - Set up email templates for communication.	5	Ariene Document Exchange System	Merge		
1008	3 7	3/10/2024 3:29:46 PM	DEV	450	4	176	3 - Cordova - Design personalized views and dashboards for users.	3	Cordova	Merge		
1009	9 7	3/10/2024 3:29:49 PM	DEV	453	4	177	5 - Ariene Document Exchange System - Organize users into business units and teams.	5	Ariene Document Exchange System	Merge	<b>v</b>	1
1010		3/10/2024 3:29:53 PM		461		178	5 - Ariene Document Exchange System - Validate data before saving records.		Ariene Document Exchange System	Merge	2	<b>V</b>
1011		3/10/2024 3:29:55 PM		465		179	3 - Cordova - Add custom buttons to the ribbon for specific actions		Cordova	Merge	~	~
1012	2 7	3/10/2024 3:29:58 PM	DEV	466	4	180	3 - Cordova - Modify the layout and behavior of entity forms using the form designer.	3	Cordova	Merge	1	
1013	3 7	3/10/2024 3:30:01 PM	DEV	469	4	481	5 - Ariene Document Exchange System - Retrieve data using FetchXML queries.	5	Ariene Document Exchange System	Merge	~	Image: A start of the start



# Remove changeset(s) from list

Removes the marked changesets from the merge candidates list.

The **remove changeset(s) from list** command can be invoked in merge candidate forms by clicking this icon:

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👶 Cordova - D365F&O TFV	C DevOps Management								- 8
Main Forms Reports I									
DEV 2 TEST MC	E FL MA AF								
Work items and changeset	is cont merge view								
Changeset id T		Created date time <b>T</b>	Changeset comments	Work item id 🝸	Description T	Assigned to T	SME 🝸 Status 🍸	Taos 🔻	
			5 - Ariene Document Exchange System - More comments		Ariene Document Exchange System		Done		
			5 - Ariene Document Exchange System - Adding comment		Ariene Document Exchange System		Done		
DEV 2 TEST MC (\$/D365FS)	CM/10 - DEV to \$/D36955CM/20	1 - 1557)		Discard 2 Are you	sure you want to discard the selected d	No V			
our e rear me (a/0303P3	, 10 DEV (0 9/0505/3CM/20								
ー ノ Type here	to search	Ξi	💽 🚍 🧏 🕺 🔶 📼 🍭						ヘ 記 de ENG 5:45 PM LAA 3/2/2024

The system will prompt you: "Are you sure you want to discard the selected changesets?".



Merge													
Log id	Batch id	Created date time	Source branch <b>T</b>	Source Changeset id 🝸	Target branch 🝸	Target Changeset id 🝸	Comments	Work item id 🝸	Work item descrtiption	Merge type 🕇	Merged <b>T</b>	Checked in 🝸	
5	3	3/4/2024 9:24:33 PM					DISCARDED CS:410 - 5 - Ariene Document Exchange System - Adding commen		Ariene Document Exchange System		~	2	
6	3	3/4/2024 9:24:35 PM	DEV	411	TEST	417	DISCARDED CS:411 - 5 - Ariene Document Exchange System - More comments	5	Ariene Document Exchange Syster	m Discard	~		

### Once the operation has completed successfully you will be presented with a merge log screen.



You can check the merge candidates screen and verify that your changesets are no longer in the list.

💮 Cordova - D365F&0 TPVC DevOps Management Main Forms Reports Build Settings Help	- @ ×
main roms neputs build settings nep Dev2 TESTMC	×
Work items and changesets Edit Merge View	
Changeset id Y Owner Y Created date time Y Changeset comments Y Work item id Y Description Y Assigned to Y SME Y Status Y Tags Y	
DEV 2 TEST MC (\$/D365F5CM/10 - DEV to \$/D365F5CM/20 - TEST)	
4 P Type here to search  当  で  、  、  、  、  、  、  、  、  、  、  、  、	^ ঢ় d <sub>8</sub> ENG 5:45 PM ↓ LAA 3/2/2024



### **Force merge**

.

Force merges the changesets that are marked. A force merge can be used to promote changesets that have been discarded. Force merge is available from the merge log and is also available from any merge candidates form.

The **force merge** command can be invoked in merge candidate forms and the merge log by clicking this icon:

g erge D											
Log id 🍸 🛛	Batch id 🝸	Created date time 🝸	Source branch 🝸	Source Changeset id 🝸	Target branch 🝸 Target Changeset id	Comments	Work item id 🝸	Work item descrtiption	Merge type 🔻	Merged <b>T</b>	Checked in <b>T</b>
1	1	3/4/2024 8:33:39 PM	DEV	410	412	5 - Ariene Document Exchange System - Adding comments	5	Ariene Document Exchange System	Merge	V	Image: A state of the state
2	1	3/4/2024 8:33:51 PM	DEV	411	413	5 - Ariene Document Exchange System - More comments	5	Ariene Document Exchange System	Merge		V
3	2	3/4/2024 8:35:32 PM	TEST	413	414	ROLLBACK CS:413 - 5 - Ariene Document Exchange System - More comments	5	Ariene Document Exchange System	Rollback		
4	2	3/4/2024 8:35:34 PM	TEST	412	415	ROLLBACK CS:412 - 5 - Ariene Document Exchange System - Adding comments	5	Ariene Document Exchange System	Rollback		×
5	3	3/4/2024 9:24:33 PM	DEV	410	416	DISCARDED CS:410 - 5 - Ariene Document Exchange System - Adding comments	5	Ariene Document Exchange System	Discard		
6	3	3/4/2024 9:24:35 PM	DEV	411	417	DISCARDED CS:411 - 5 - Ariene Document Exchange System - More comments	5	Ariene Document Exchange System	Discard		
	4	3/5/2024 9:09:11 AM	DEV	410	419	DISCARDED CS:410 - 5 - Ariene Document Exchange System - Adding comments (force	) 5	Ariene Document Exchange System			×
8	4	3/5/2024 9:09:14 AM	DEV	411	420	DISCARDED CS:411 - 5 - Ariene Document Exchange System - More comments (forced)	5	Ariene Document Exchange System	Force		
						Force merge ×					
						Are you sure you want to force merge the selected changesets?					
						Are you sure you want to force merge the selected changesets?					
						Are you sure you want to force merge the selected changesets?					
						Are you sure you want to force merge the selected changesets?					
						Are you sure you want to force merge the selected changesets?					
						Are you sure you want to force merge the selected changesets?					

The system will prompt you to confirm that you want to force merge the marked changesets.



orm	Merce	loa							
lerg	Merge ge	iog							
1	ď								
Lo	og id 🍸	Batch id	Created date time 🝸	Source branch 🝸 Source Changeset id 🍸	Target branch 🝸 Target Changeset id 🍸	Comments	Work item id 🝸 Work item descrtiption	▼ Merge type ▼ Merged *	Checked in 🝸
7		4	3/5/2024 9:09:11 AM	DEV 410	419	DISCARDED CS:410 - 5 - Ariene Document Exchange System - Adding comments (forced)	5 Ariene Document Exchange Sys		
8		4	3/5/2024 9:09:14 AM	DEV 411	420	DISCARDED CS:411 - 5 - Ariene Document Exchange System - More comments (forced)	5 Ariene Document Exchange Sys	tem Force 🗹	V
		e here to			ž 🗙 🔹 🔹				d <mark>⊯</mark> ENG 5:45 PM

After the force merge is complete the system will bring up a merge log window with the resulting operation.



v	Build Settings Help							
	ts Edit View							
	Q P V							
angeset id 🍸		T Created date time	Changerat comments	▼ Work item id ▼	Description	Assigned to T SME	Statur V Tage V	
)			DISCARDED CS:411 - 5 - Ariene Document Exchange System - More comments (forced		Ariene Document Exchange System		Done Done	
9	statute and statute and		DISCARDED CSATT - 5 - Ariene Document Exchange System - More comments (force DISCARDED CSAT0 - 5 - Ariene Document Exchange System - Adding comments (force		Ariene Document Exchange System		Done	
, 7	who have to define the set of	3/4/2024 9:24:34 PM	DISCARDED CSATD - 5 - Ariene Document Exchange System - Moting comments	5	Ariene Document Exchange System		Done	
, 5	and the second s	3/4/2024 9:24:34 PM	DISCARDED CS/410 - 5 - Ariene Document Exchange System - More comments	5	Ariene Document Exchange System		Done	
5	and the second distants and a	3/4/2024 8:35:34 PM		5	Ariene Document Exchange System		Done	
1		3/4/2024 8:35:31 PM	ROLLBACK CS:413 - 5 - Ariene Document Exchange System - More comments	5	Ariene Document Exchange System		Done	
3			5 - Ariene Document Exchange System - More comments	5	Ariene Document Exchange System		Done	
2			5 - Ariene Document Exchange System - Adding comments	5	Ariene Document Exchange System		Done	
8			Creating 20 - TEST branch	0				

If you decide to promote changesets after they have been discarded, this is the way to do so.



### Reports

Cordova can produce excel reports that contain a snapshot of the history and merge candidates of the repositories in your system. Team members that do not have access to Visual Studio or Cordova, can use them to determine the promotions that have taken place or should take place.

### **History Tabs**

A history tab will show the complete history for a repository.

	oort2024-03-04T15-39-10	-																		
1	<b>T</b>	$\times \checkmark f_X$																		
	A B	С		D		E	F	G	н	1	J	К	L	М	N	0	Р	Q	R	
ch	angeset User Dat		Characterization of the second s			Charles	T	Assigned T SMI		are done	141-1-10	D								
Ch	angeset User Dat 1783		Changeset comment	He have be as filments		Status	Tags	Assigned 1 Sivil	. #1 \		WORK Item		on							
	1781		4826 Audit CustTable and VendTable			Closed		Julia Lucardo			Audit Curl		and the second							
	1778		4830 OunAP 1.2.25 install	Could many selfing more other		Cloued		Jamie Meyers			Danie 1.1									
	1775		4828 Create an extension on Workflo	Comment Tracking Table . Remove the	where the first states	Cloued		Julie Lunardio					an Warkfus	d annual	(harding he	-				
	1771		6 4829 - Log cheamup			Closed		Julie Lucardie			Log cleans					-				
	1769		4828 Create an extension on Workflo	and communit franking Table		Closed		Julie Lunardio					an Warkfus	d annes	(hashing he	ale .				
	1761		##27 Dynamay 2401.1 initial Add new			Cloued		Jamie Meyers			Dynascay I									
	1760	1/14/202	8 4827 Dynamay 2401.1.2 deploy Nerror	# 2401		Cinered		Jamie Meyers		4827	Dynamay I	1401.1.2 4	uplay							
	1758	1/11/262	4826 - Audit CustTable and VendTable	Disable charge tracking for log tables		Closed		Julie Luterde		4825	Audit Curl	Table and	Veral Table							
	1756	1/11/269	8 4826 Audit CustTable and VendTable	Check in missing object		Cined		Julie Lucardo		4825	Audit Curl	<b>Table and</b>	Veral Table							
	1754	1/11/062	6 4826 - Audit CustTable and VendTable			Closed		Julie Lucardie		4825	Audit Curl	<b>Table and</b>	viewd Table							
	1749	1/5/262	4825 Dynaway 3401 - Add new license	Nie .		Cined		Jamie Meyers		4825	Dynamay 2	1401 Deph	w							
	1748	1/5/282	4825 Dynaway 2421 - Remove old lice	toe Ne		Coved		Jamie Meyers		4825	Dynamay I	1401 Deple	w							
	1739	1/2/268	4824 - Nemove sppMetadata folders			Cinered		Jamie Meyers		4624	Update pij	pelines to i	include DM	TLE Enhan	cements .					
	1732	1/2/263	# 4825 Add Dynamay 2401 films to the tr			Closed		Jamie Meyers		4825	Dynamay )	1401 Deph								
	1731		4825 Remove Dynaway 2330 files			Closed		Jamie Meyers		4825	Dynamay I	1401 Deph								
	1729		1.4818 - Send purchase order as mail all	achment - Order items in log by created	date time descending	Closed		Julia Luzardia					as mail atta	chmant						
	1716		1.4823 DooAP 1.3.24 Install New 2023			Closed		Jamie Meyers			Den/# 1.1									
	1714		3 4822 Initial add of TLE Nes			Closed		Jamie Meyers			EDI TUE EX									
	1711 Julie June		3 3846 - RNI and Open PO Lines Report (		10.0.36	Canad		Julie Lucende					ves Report C	hanges						
	1705		1 4803 - New mail sending system - Erro			Cosed		Julie Lucardo			New mail									
	1704		1 4803 - New mail sending system - Sola			Cound		Julio Lucendo			New mail									
	1702		1 4821 Dyanaway 2310 Deploy Catch #			Cosed		Jamie Meyers			Dynamay I									
	1700		1 3762 - Send involce as mail attachment		add pattern to form	Canad		Julie Lucende					attachment							
	1697		1 4821 - Dynaway 2310.1.1 - Add new 9			Closed		Jamie Meyers			Dynaway I									
	1696		1 4821 - Dynaxoay 2310.3.1 deploy - Ren			Closed		Jamie Meyers			Dynamay I									
	1690		4815 Add reason code to inventory a		te report	Closed		Julia Luzardia					inventiony ad	puttinged :	aport					
	1682		X 4797 - Vendor Collaboration - Use e-m			Canad		Julie Lucende			Vendor Ca				-					
	1681		4815 Add mason code to inventory a			Closed		Julio Lucardio					nuentary ad		apart					
	1680 1679		1 4818 - Send purchase order as mail all 1 1762 - Send invoice as mail attachmen		an san	Cloued		Julie Luzarde Julie Luzarde					as mail atta attachment							
	1678					Closed		Julio Lucardo					as mail atta							
	1677		1 4818 - Send purchase order as mail all 1 1752 - Send inusice as mail attachmen			Closed		Julio Lucardo					attachment							
	1676		1 1762 - Send invoice as mail attachment			Canad		Julia Luzardo					attachment							
	1668		1 4820 Dynaway Analytics license - Add			Rea		Jamie Meyers					legiloge mant							
	1667		1 4820 Dynamay Analytics license deploy			Rea		Jamie Meyers					-							
	1665		1 4819 Add mason code to inventory a	Extract mant		Cloued		Adva Lassandra					inventory ad		and it					
	1663		1 1762 - Send involice as mail attachment		multiple mails	Cloued		Julie Lunardie					attachment							
	1661		1 3762 - Send invoice as mail attachment			Courd		Aufin Lumardia					allachment							
									_								-			-
٩	H DEV history	DEV to TEST	Merge Candidates TEST history TEST t	PROD Merge Candidates PROD history	T			: • !												



### Merge Candidates Tabs

A merge candidates tab will show which changesets can be promoted from the origin repository to the target repository.

1	oort2024-03-04T15-39-10.xlsx													
	A B		c	D	E	F	G	н	1	J	К	M	N	0
				U U			0			,				
Cha	angeset User	Dat		Changeset comment	Status	Tags	Assigned To	SME #1			n Description			
	1799 julia luzardis@hometown	Roodcompany.com	1/2/2024	8828 - Remove sppMetadata folders	Closed		Jamie Meyers		4824	Update pl	gelines to include	OM TLE Enhan	contents	
				4801 Dynaway 2304.3.1 Update - Remase aid version	Cloued		Jamie Meyers				2304.1.1 update			
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	1247 julia.luzardo@homatour			3653 - Item/Vender/Customer Master Data Validation - Added query preview screen partial	Closed		Julie Lucente				dar/Custamer Mi			
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	1238 julio.lucardo@hometouri	foodcompany.com	7/24/2025	3053 Rem/Vendor/Customer Master Data Validation - Partial II	Closed		Julie Lucerde				dor/Customer Ma			
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# Build

The build screens allow you to do a compilation of several repositories without having to remap settings in team explorer and without the need for several one box environments.

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#### **Toolbar buttons:**

Save build script to file.



Copy build script to the clipboard.



Batch merge/check in.



Once you begin a build, Cordova will automatically calculate the customized models and will start compiling them.

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### Once the build is finished, it will display the list of errors or a build successful notification.

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# Merge log

The merge log keeps a record of all operations in Cordova.

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New Demo Project - Another simple change         11         New Demo Project         Merge         V         I         I           4         4/12/2024 11/2654 PM         TEST         515         PGO         522         11 - New Demo Project - Another Simple change         11         New Demo Project         Merge         V         I         I           2         4/12/2024 11/2559 PM         DEV         520         TEST         521         11 - New Demo Project - Another Simple change         11         New Demo Project</th> <th>1003         5         4/15/2024 5A24 PM         TEST         525         PROD         526         11 - New Demo Project - Another simple change         11         New Demo Project         Merge         III         III         New Demo Project           1002         4         4/15/2024 5A25 PM         DEV         524         TEST         525         11 - New Demo Project - Another simple change         11         New Demo Project         Merge         III         IIII         New Demo Project         Merge         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</th> <th>1003         5         4/15/2024 5A24 PM         TEST         525         PROD         526         11 - 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Asimple change         10         New Demo Project         Merge         ICI         ICI           4         4/12/2024 112645 FM         TEST         510         PROD         522         11-New Demo Project - Asimple change         11         New Demo Project         Merge         ICI         ICI           4         4/12/2024 11265 FM         TEST         520         T1-New Demo Project - Asimple change         11         New Demo Project         Merge         ICI         ICI	1002         4         4/15/2024 5425 PM         DEV         524         TEST         525         11 - New Demo Project - Another simple change         11         New Demo Project         Merge         III         III         New Demo Project         Merge         III         III         New Demo Project         Merge         III         III         New Demo Project         Merge         III         Merge         III         New Demo Project         Merge         IIII         Merge         IIII         Merge         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1002         4         4/15/2024 5425 PM         0E/         524         7EST         525         11-New Demo Project - 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Asimple change         10         New Demo Project         Merge         ICI         ICI           4         4/12/2024 112645 FM         TEST         510         PROD         522         11-New Demo Project - Asimple change         11         New Demo Project         Merge         ICI         ICI           4         4/12/2024 11265 FM         TEST         520         T1-New Demo Project - Asimple change         11         New Demo Project         Merge         ICI         ICI	1002         4         4/15/2024 5/25 PM         DEV         524         TEST         525         11-New Demo Project - Another simple change         11         New Demo Project         Merge         III         III         New Demo Project         Merge         IIII         New Demo Project         Merge         IIII         New Demo Project         Merge         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1002         4         4/15/2024 5425 PM         DF/         524         TEST         525         11 - New Demo Project - 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#### **Toolbar buttons:**

- Force merge.
- Copy as table.

Open conflicts form

#### **Grid columns**

Log id: A consecutive number that uniquely identifies the merge operation.

**Batch id:** All merge operations that have the same batch id, occurred during the same batch process (rollback, merge/check in, force merge).

**Created date time:** date and time of the merge operation.



Source branch: The source branch descriptor. Source changeset id: the source changeset id. Target branch: The target branch descriptor. Target changeset id: The target changeset id. Comments: The changeset comments. Work item id: The associated work item id in Azure DevOps. Work item description: The work item description. Merge type: The type of merge, Rollback, Merge, Force Merge, Discard. Merged: If the merge has taken place. Checked in: If changes have been checked in. Conflicts: If the operation had conflicts.



# Conflicts

The conflicts form details all the conflicts that occurred in an operation.

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#### **Toolbar buttons:**

View file differences.

#### **Grid columns**

**Resolution:** The type of resolution that was applied to the conflict.

File name: The name of the conflicting file.



# Troubleshooting

# Problem: Cordova will not start because the .NET framework runtime for 4.8 is not installed

This is a common problem in older VMs. The Cordova app will not start and will display a message box.

Cordova.exe - This application could not be started.	$\times$
This application requires one of the following versions of the .NET Framework: .NETFramework,Version=v4.8 Do you want to install this .NET Framework version now?	
Yes No	

Solution:

- 1. Go to windows update and click on the "check for updates" button. Make sure all updates have been applied.
- 2. If the above does not fix the issue, it might be a TLS problem. Run this PowerShell script:

New-Item 'HKLM:\SOFTWARE\WOW6432Node\Microsoft\.NETFramework\v4.0.30319' -Force | Out-Null New-ItemProperty -path 'HKLM:\SOFTWARE\WOW6432Node\Microsoft\.NETFramework\v4.0.30319' -name 'SystemDefaultTlsVersions' -value '1' -PropertyType 'DWord' -Force | Out-Null New-ItemProperty -path 'HKLM:\SOFTWARE\WOW6432Node\Microsoft\.NETFramework\v4.0.30319' -name 'SchUseStrongCrypto' -value '1' -PropertyType 'DWord' -Force | Out-Null New-Item 'HKLM:\SOFTWARE\Microsoft\.NETFramework\v4.0.30319' -Force | Out-Null New-Item Property -path 'HKLM:\SOFTWARE\Microsoft\.NETFramework\v4.0.30319' -name 'SystemDefaultTlsVersions' -value '1' -PropertyType 'DWord' -Force | Out-Null

### Page **65** of **67**



New-ItemProperty -path 'HKLM:\SOFTWARE\Microsoft\.NETFramework\v4.0.30319' -name 'SchUseStrongCrypto' -value '1' - PropertyType 'DWord' -Force | Out-Null

New-Item 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' -Force | Out-Null New-ItemProperty -path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' name 'Enabled' -value '1' -PropertyType 'DWord' -Force | Out-Null

New-ItemProperty -path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Server' - name 'DisabledByDefault' -value 0 -PropertyType 'DWord' -Force | Out-Null

New-Item 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' -Force | Out-Null New-ItemProperty -path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' - name 'Enabled' -value '1' -PropertyType 'DWord' -Force | Out-Null

New-ItemProperty -path 'HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols\TLS 1.2\Client' - name 'DisabledByDefault' -value 0 -PropertyType 'DWord' -Force | Out-Null

Write-Host 'TLS 1.2 has been enabled.'

#### You can also download this PowerShell script from:

https://atlanticoak.blob.core.windows.net/aocdsupport/NETFramework4.8.ps1