Release Notes

Version 1.7.440

Welcome to the release notes for HubOne Workflows. This document contains information on late changes to the product as of the version above.

Version 1.7.440 Released 6 December 2023

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Breaking Changes

- **Solutions** Solutions exported from previous versions do not work in this release.
- Plugin Configuration The appsettings.json will need to be amended for the new plugin settings.
- **PE Upgrade** If running PE, you will need to uninstall before installing this version. There will be no data loss

Known Issues

The following are known issues in this release

- #975 SQL Server Persistence **WORKAROUND:** None. There is no support for SQL Server in this release
- #1345 Set Empty Field Defaults WORKAROUND: There are no defaults for empty fields.
- #1346 Address Type WORKAROUND: There is no address type. Resolve this by adding individual string fields
- #1572 Expose Security System through Persistence Layer WORKAROUND: None Security is available in Azure Console (BE)
- #1574 Expose Security System in UI WORKAROUND: None Security is available in Azure Console (BE)
- #1998 Use different icons when showing User interaction tasks in workflows WORKAROUND: None
- #2217 Todo list app, run a workflow through a view WORKAROUND: None. Run Workflows through instances.
- #2353 Favourite views **WORKAROUND:** None
- #2520 Remove uses of System. Convert WORKAROUND: None
- #2571 Extend Views with isDashboardItem WORKAROUND: None
- #2578 Ability to customise the Dashboard WORKAROUND: None
- #2605 Provide searching across Workflows University **WORKAROUND:** None
- #2608 Elsa Activities: hide Miscellaneous activities WORKAROUND: None
- #2708 Make workflows msi launch application after running WORKAROUND: None
- #2717 Workflows training video | Module 1 Overview | Icon is cut off **WORKAROUND:** None
- #2721 Create a drop all tables button for PE WORKAROUND: None

- #2845 add sample workflow to University for 'compensible' **WORKAROUND:** None
- #2871 Remove pluralisation, I think saying EntityCreated Instances would be better, change button to Add Instance WORKAROUND: None
- #2919 Add an Activity that allows entry of a variable, rather than adding to an object
 WORKAROUND: None
- #2939 need an activity to sync data from an external database to WoW data objects WORKAROUND:
 None
- #2941 Display context-sensitive help **WORKAROUND:** None **WORKAROUND:** None
- #2943 on a task that has Q&A, the hover-text is the column description on the database field **WORKAROUND:** None
- #3165 Task Due dates do not call the timeout outcome of the activity. WORKAROUND: None
- #3249 Integration of PowerShell Script Type into Elsa WORKAROUND: None
- #3251 Enable Webhook Manager **WORKAROUND:** None
- #3298 Read and write from Excel, Word, PowerPoint WORKAROUND: None
- #3301 Branches for Task Create/ Simple Task Create Allow description to be added to branches.
 Maybe having another Dictionary<string, string> WORKAROUND: None
- #3326 Task Create: no field to enter 'assigned to' WORKAROUND: None
- #3486 If a workflow instance is deleted or faults with an active task, the task cannot be 'completed'
 WORKAROUND: None
- #3660 Watch Directory activity: cannot set the path to a variable **WORKAROUND:** None
- #3667 Watch Directory activity: will not execute unless 'All' is ticked WORKAROUND: None
- #3668 File Exists activity requires a literal, needs to accept javascript & liquid variables WORKAROUND: None
- #3669 Read File activity needs branches for 'Success' and 'failure' **WORKAROUND:** None
- #3719 Representing Many to Many relationships with Views WORKAROUND: None
- #3796 Create Ubuntu installer for one WORKAROUND: None
- #3806 ParallelForEach does not have an Output() WORKAROUND: None
- #3808 Upgrade to ELSA 3.0 **WORKAROUND:** None
- #3811 Localization WORKAROUND: None
- #3812 Add Default Language Resource File and DI Localization WORKAROUND: None
- #3813 Localize Each String for en-us **WORKAROUND:** None
- #3814 Translate Resources for EN-AU WORKAROUND: None
- #3824 Add support for DataType plugins **WORKAROUND:** None
- #3841 Views need a way to sequence them **WORKAROUND:** None
- #3842 When creating a Type, immediately show the Add Columns page **WORKAROUND:** None
- #3856 Create a backup page, that will show list of backups, and if there synced to azure

WORKAROUND: None

- #3858 Add a Links facility to the menu **WORKAROUND:** None
- #3873 Create a Pandoc Plugin **WORKAROUND:** None
- #3886 Allow assigning a user when creating a task WORKAROUND: None
- #3899 BE: opening a workflow instance in a new window presents the login screen **WORKAROUND:**None
- #3907 Create an Activity to trigger when an instance is created in the database **WORKAROUND:**None
- #3908 Create an activity which triggers when an instance is updated in the database WORKAROUND:
 None

- #3940 Create a fine-tune model for chatgpt **WORKAROUND:** None
- #4021 Dark mode for WoW WORKAROUND: None
- #4025 Reduce paging overhead for large datasets **WORKAROUND:** None
- #4040 Configure BE to check license key and request one if one doesn't exist. No Registration
 WORKAROUND: None
- #4053 Add button to allow delete all workflows
- #4132 Make solutions workflows only show latest workflows **WORKAROUND:** None
- #4157 Ability to select multiple tasks and do funky things with them WORKAROUND: None
- #4159 msgraph plugin ability to paginate through unread emails WORKAROUND: None
- #4160 MSGraph plugin fault calling MSGrapghMarkEmailAsRead in a loop WORKAROUND: None
- #4197 Exporting a large list gives an out of memory error WORKAROUND: None
- #4198 Can we version CSS (and JS?) so users dont get stuck with cached versions WORKAROUND:
 None Perform refresh if issues
- #4202 Look at providing RPA for UI using UI Automation Framework WORKAROUND: None
- #4203 When adding a column to a type, improve the default Display Name **WORKAROUND:** None
- #4219 security issue on first run on MacOS WORKAROUND: None
- #4220 PE does not run on macOS '401 not authorised' error, and https certificate not working
 WORKAROUND: None
- #4229 New Activity Find if something exists in a list, if it doesn't create it, and if it does put it in a varaible **WORKAROUND**: None
- #4239 Provide ability to show/hide views WORKAROUND: None
- #4240 Should we allow user to select AllowNullable when creating columns? WORKAROUND: None
- #4242 Views with invalid filters dont fail gracefully lets return a nice message WORKAROUND:
 None
- #4286 Add OData support for tasks **WORKAROUND:** None
- #4287 Add OData support for object instance client WORKAROUND: None
- #4288 Add OData support for task client **WORKAROUND:** None
- #4310 BE leave browser open for about 30 minutes without interaction then try perform something -Unauthorised - needs graceful fail with message to re-auth WORKAROUND: None
- #4389 Task Editor, make branch options different colors and change to radio buttons
 WORKAROUND: None

Items resolved this release

- #1912 Bug UI Testing Capabilities Page Add Assigned Users
- #2234 Bug Tasks page, search bar not aligned due to the sentence wrapping before the other
- #2417 Bug View looks squished
- #2439 **User Story** Add 'Import' button onto Types page
- #2465 User Story HTML to Markdown Activities
- #2575 **Bug** view definition adding a space between the fieldnames prevents the view from rendering
- #2868 Bug Combine Type Id and Str Type Id for object create
- #3102 Bug AddIndexAsync(long objectTypeId, string columnName) USE PATCH INSTEAD
- #3483 Bug Import: does not match existing records, always creates new ones
- #3762 **Bug** deleting item from a type fails with no error message displayed
- #3774 **Bug** Tab navigation for objects when adding an object can't tab to submit and cancel

• #3787 - **Task** - When an item in a table is focused, action buttons should appear at the bottom of the item

- #3810 User Story Gobalization
- #3833 **User Story** Provide the capability to uninstall plugins
- #3870 Bug Add option for generate ClientBase for CodeGenerator
- #3872 Bug Add option to code generator to disable creating interfaces
- #3879 User Story On edit slide of plugin, display the markdown of the plugins README.md
- #3884 **Bug** installer seems to want to use the existing version's folder but this has a filename that includes the version number
- #3890 Bug Add Workflow of Type ViewCreate Orderings list has no column data after selecting
 Type
- #3898 Task filter option in a view for reference fields to have a 'contains' function
- #3900 User Story ability to import the column definitions generated by Type Export
- #3902 **Bug** you can create multiple views with the same name
- #3903 Bug Spin the 'play' button for longer
- #3904 Bug navigation & views refresh
- #3909 Bug odata comparing 2 dates fails
- #3924 User Story Azure create CICD with latest part of main
- #3926 Bug A Task created with only a reference field does not allow Submit
- #3930 **User Story** WorldOfWorkflows.CodeGenerator serialize settings instead of using inputs
- #3931 User Story WorldOfWorkflows.CodeGenerator show file structure
- #3939 Bug Solutions: Views projections and orderings not working
- #3941 Bug Solutions views Projections issue on existing type
- #3945 **Bug** Onedrive and sharepoint
- #3946 Bug Todo tasks and todo tasks list
- #3948 **Bug** Remove old files from pipelines
- #3955 **Bug** Plugin manager show Restart service button when pending
- #3956 **Bug** tasks UI date fields need a stronger border
- #3963 Bug SendEmail Office 365 in Cloud does not work. Could be linux issue? Http Works
- #3970 **Bug** Views pager not totalling items correctly
- #3971 **Bug** No loading spinner on Views page
- #3976 Task Add paging to Solutions Lists
- #3980 Task Views needs its paging updated to latest version 1.7?
- #3982 **User Story** task ui: when Submit button is enabled, disable all other buttons apart from Cancel.
- #3983 Bug taskUI Dropdown list not being refreshed
- #3984 Feature Solutions: add checkbox to show plugins required
- #3988 **Bug** Registration PE 149 In Account, the License Version is incorrect after rewrite
- #3989 **Bug** Registration Errors after rewrite
- #3993 **Bug** Remove reference to TribeTech in ProgramData Folder
- #3995 **Bug** View Account drop down has wrong z-order
- #3997 Task Task Editor add task slidein to instance page
- #4000 **Bug** World of Workflows doesn't appear in Start list
- #4001 **Bug** Navigating to any other URL skips registration
- #4002 **Bug** WorkflowsUniversity Guide skips Company creation

• #4003 - **Bug** - WorkflowsUniversity - Getting started doesn't take into account the default column created (Title)

- #4004 **Bug** WorkflowsUniversity Sample views refer to Status and MyDate, which isn't covered in the sample Types creation
- #4005 **Bug** New registration code no longer follows specification
- #4007 **Bug** Disable views paging for now
- #4009 Bug Fix broken registration workflow re-add local delete handling
- #4010 Bug Solutions: handle duplicate types more elegantly
- #4011 Bug After delete type, ensure list is refereshed
- #4013 **Bug** Add Item Dialog Set focus to first input element to start
- #4018 Bug WorkflowsUniversity No email or Phone data type
- #4019 Bug WorkflowsUniversity Views tutorial refers to Parent as numerical value
- #4020 Bug Registration: cater for central database licence being deleted but local still exists
- #4024 Bug Remove use of nerdbank revisioning when in debug mode, should make faster builds
- #4026 Task Instance Task List add paging and filtering
- #4027 Task Does ObjectStateDisplay have a Disable feature?
- #4028 Bug A Task created with only a date field does not allow Submit
- #4029 Task Solutions: Add search filter to types views and workflows export selection
- #4030 Task Solutions: make better use of empty whitespace when listing export and import items
- #4031 **Bug** Solutions: imported workflows not maintaining all x and y coordinates
- #4032 **Bug** View sorting is not defaulting
- #4033 Task Ability to sort the data column definition
- #4034 Task Solutions (Export): Allow user to filter Views selection by related type
- #4037 **User Story** Add Plugins to Solutions
- #4038 **Bug** OData does not work in the View query
- #4039 Task Views: Add Id as Column
- #4042 Task Solutions Export: Re-order selected types according to linked references before exporting
- #4043 Task Solutions: show on UI which Types have columns that reference other types
- #4045 Bug missing 'Current User' column in Tasks view in Data object in BusinessEdition
- #4046 **User Story** Make Tasks in data object a live link
- #4047 Task Add a refresh button to Data editor / Tasks & History tabs
- #4048 Bug tasks tab in Data instance editor shows workflow ID, not instance log
- #4049 **Bug** Opening Views from the Admin page only shows 5 rows, regardless of the Page Size
- #4052 User Story Change Views to accept an OData filter instead of the dynamic LINQ syntax.
- #4055 **User Story** Create Plugin for PipeDrive
- #4056 **Task** Generate Plugin for PipeDrive
- #4057 Task Add Authentication
- #4058 Task Release Plugin
- #4059 Bug World of workflows Code Generator, escape strings for description
- #4060 Task Solutions: Allow refire option for failed Activities
- #4061 **Bug** Documentor workflow diagram does not work
- #4065 **Bug** Plugin removal and add on PE seems to be flaky
- #4066 Task Task: Add Sorting and Paging to AllTypes page
- #4067 Bug Filter window needs to move up a few px for one row tables
- #4068 **Bug** Need to be able to filter emails in GetUnreadEmails using oData Filters

- #4072 Task Paging: remember paging size selected per View
- #4073 Task Add new format Save / Cancel button to View Instance Add Slidein
- #4074 Task Delete Type Dialog allow delete of all instances on delete "instance exists" error
- #4075 Bug Solutions: Filter by type not working
- #4076 Bug Views Page: Add a view doesnt refresh the NavMenu immediately
- #4078 User Story CES Plugin with 1 working activity
- #4081 Bug WorldOfWorkflows.CodeGenerator exception not showing in file structure
- #4083 **User Story** WorldOfWorkflows.MSGraph (generated plugin) create the same activities that are in the released plugin
- #4090 **Bug** Need to be able to add an attachment to Office 365 Emails
- #4092 Bug Create a build configuration that sets Enable_Registration to False in DEBUG
- #4093 **Bug** PluginsManager: fix restart error where slidein opens
- #4096 **Bug** Chatgpt a whisper api
- #4097 **Bug** Plugin Configuration file, if plugin configuration fails to load ensure that Workflows still runs
- #4101 **Bug** Filter for reference types is showing the instance Id rather than Instance Title
- #4103 **Task** Upgrade Elsa to 2.13
- #4104 User Story Upgrade Elsa to 2.13
- #4105 Task Allow Add Another on Type Add page
- #4106 Task Show referenced columns in DeleteDialog delete error
- #4107 Bug WorldOfWorkflows.CES get all pictures
- #4108 Bug WorldOfWorkflows.CES change StudentidSchool
- #4110 Task Persist Sorting values for Types, Instances
- #4116 **Bug** Upgrading Plugin is unreliable
- #4119 **Task** Restyle Settings page
- #4120 Task Restart Service check for restart
- #4121 **Bug** Documentor Diagram has incorrect direction in ER Diagram
- #4122 **Bug** Documentor Diagram has incorrect data types
- #4123 Bug Instance Workflow runner Entire block should run workflow, not just play button
- #4124 Bug Strange issue clean database and after cannot add Workflows
- #4126 Bug Picked tasks don't automatically display when I complete a previous task
- #4127 **Bug** This solution does not import correctly. Please work out why.
- #4128 Task Please compact Sqlite database on close before backup process
- #4129 **Bug** Need better way to show views nav when there are many suggest dropdown menu
- #4131 **Bug** Settings > Create Backup > Alert does not show path correctly and it disappears too fast
- #4134 **Bug** Add delete dialog to views page
- #4135 Task Add <> to Enum Column Filters
- #4137 **Bug** Cannot reference a newly created object type in a execution pass of a workflow
- #4138 Task Complete README as per template for Code Generator in advance of public Open Source Release
- #4140 User Story Create Additional Share Point Activities for the MSGraph plugin
- #4144 **Bug** Adding an instance from a view doesnt update the instances in the View
- #4145 Bug Get name of Parent View in Views page Id is not helpful
- #4146 **Bug** Fix CodeSigner to output an actual p7s certificate
- #4147 Task Add Icons for all action links
- #4148 Bug BE Setup Powershell Script Connect-MgGraph ForceRefresh not a valid parameter

- #4149 Bug Registration success dialog: Name field shows Date info
- #4150 **Bug** Views fail gracefuly and show error on create error
- #4151 Bug Views remove obsolete slide in methods
- #4152 **Bug** Registration is assigning email field to name
- #4153 **Bug** Adding a parent view of the same type to a view crashes the app
- #4155 **Bug** MS Graph Add Category
- #4156 Task Add Xero project Activities
- #4162 **Bug** Instance List sorting on a reference field sorts on the ObjectId not the Title field
- #4164 Task Add an alerts feature to show if there are any faulted workflows in the system
- #4165 **Bug** remember the resized size of a task
- #4166 Task Upgrade Code Generator to Elsa 2.13
- #4167 **Bug** Instance List null filter not working
- #4168 Task Upgrade NinjaOne Plugin to Elsa 2.13
- #4169 Bug Instance List selecting a filter hides the first row returned
- #4170 Task Upgrade PipeDrive Plugin to Elsa 2.13
- #4171 **Bug** Instance List filters dialog shows the ObjectId of a reference field
- #4172 Task Upgrade WorldofWorkflows.Plugins to Elsa 2.13
- #4173 User Story Instance List add a filter for the ID column
- #4174 **Bug** Instance List delete items needs a spinner
- #4175 Task Upgrade Nugets in WOWF-XeroActivities
- #4176 **Bug** Instance List Date filter has no Time option
- #4177 Task Upgrade Utilities Plugin to Elsa 2.13
- #4180 Bug Instance List and Solutions icons are confusing
- #4181 Bug WOW BE Will not start with existing OR New Database Claims the following issue
- #4190 **Bug** 1.7.180 Error rendering views
- #4192 Bug Expand view column header to fit content on initial load
- #4193 Bug Views: nav select show gray box even when view has no children
- #4194 **Bug** BE PowerShell.issues
- #4199 **Bug** Views display long string fields better
- #4201 **Bug** Re-add plugins to solutions
- #4204 **Bug** Import data: the column 'names' shows the Column Description field
- #4205 **Bug** Instance List editor inline edit error with datetime fields
- #4207 **Bug** failed import but no reasons shown
- #4208 Bug Diagram button in types should say "View Diagram" not Edit Diagram,
- #4209 Bug Remove Developer Mode from Settings
- #4210 **Bug** Child Views no longer visible
- #4212 **Bug** Change Solutions Import
- #4214 **Bug** changing column names breaks data when the column is indexed
- #4215 **Bug** ObjectInstanceCreate shows no fields
- #4216 **Bug** Settings / Service running shows red X even when the service is up
- #4217 Bug Instance List icon placement when in in-line edit mode
- #4218 Bug Workflows University .net 7 links
- #4221 Bug On first run, PE license dialog does not show unless you go to Admin or other page
- #4222 **Bug** On PE, if you close first use dialog, you have to click Admin twice
- #4230 Bug Exporting from a view gives a file with no extension. Extensions should be CSV
- #4231 Bug Refresh view after filter keeps filter but looses UI reference to filter

• #4232 - **Bug** - refresh View does not seem to go back to the database to get new values

- #4236 Task Create a new pipeline for Xero to support 1.6
- #4237 Task Create a new pipeline for MSGraph to support 1.6
- #4238 Task Create a new pipeline for Autotask to support 1.6
- #4241 Bug Inline Edit DateTime field not updating in real time
- #4245 **Bug** Add Instance, "Save" and "Save and add another" doesn't remain same size.
- #4247 **Bug** Unexpected behavior for delete type when instances exist within them
- #4248 **Bug** Instances page, the "Save and Add Another" instance button should be first for tab.
- #4249 User Story Change ReadOnlyObjectDisplay, ReadOnlyObjectStateDisplayHost, ObjectDisplay and ObjectStateDisplayHost to not use System.Ling.Expressions
- #4277 **Bug** Fix Xero build (rename project file to WorldOfWorkflows.Xero)
- #4278 **Bug** Filtering and Export Issue
- #4279 **User Story** Server side paging and filtering
- #4291 **Bug** Plugins in Solutions
- #4292 Bug Export from Views AND Types showing related object lds, not titles Import also
- #4295 **Bug** Types page: dont show pager until rows have loaded
- #4296 Bug Columns Page: Add new style action buttons
- #4297 Bug All Pages: dont show action buttons until data is loaded
- #4299 Bug type column editor import columns does the wrong thing
- #4300 **Bug** Delete instance non-existant reference
- #4301 **Bug** Type -> Edit Diagram button shows the Data Dictionary and not a diagram
- #4302 Bug Domain Regos View in https://tt-workflows.azurewebsites.net/ is crashing
- #4304 **Bug** tt-worldofworkflows site: Data Error in "Domain Regos" View due to FILTER "Customer ne null"
- #4305 **User Story** Remember the user defined column widths in views
- #4306 **Bug** fiels in Type instance -> Tasks do not align properly
- #4309 Bug Adding Reference Col to type: requires full page refresh to display list of references on Add Instance
- #4313 **Bug** sort dropdowns in tasks
- #4314 Bug task drop-downs not refreshing unless the browser page is refreshed
- #4315 **Bug** Instance editor task refresh does not work
- #4319 **Bug** Documentor reduce the clutter
- #4320 **Bug** Instance List filtering on dates not using the displayed date maybe getting UTC wrong?
- #4321 **Bug** instance list filtering just a bit too quick to properly enter date fields
- #4324 User Story Upgrade to .NET 8
- #4327 Bug Import: Add spinner for long running processes such as large file upload
- #4330 **Bug** Task editor red box on drop-down
- #4331 **Bug** Task editor selecting a drop-down does not enable the Submit button
- #4332 **Bug** deleting item from a view does not work
- #4333 **Bug** Inline Edit in View Editing a date doesn't stick
- #4335 **Bug** Unable to add new types
- #4336 Bug Cannot edit integer fields
- #4338 **Bug** Make top nav responsive
- #4339 Bug Cannot connect and authorize with Swagger UI
- #4340 **Bug** Cannot Upload Plugins

- #4341 Bug World of Workflows Service Won't Start
- #4342 Bug Loading Utilities Plugin gives no name or description
- #4343 Bug "Save and Add another" and "Save" instance page reloads table
- #4344 **Bug** Default no description provided for task to be empty and don't load it in the editor.
- #4346 **Bug** PE cannot register and error on home screen
- #4347 **Bug** Cannot Import Solution
- #4348 Bug allow sorting and filtering on ID column in VIEWS
- #4349 Bug deleting instances from VIEWS needs the same UI as deleting from TYPES
- #4351 **Bug** Add seconds to HTML datetime picker for filters
- #4352 **Bug** Make Primary Add Button just a +
- #4354 Bug No Activity to delete object Instance
- #4356 **Bug** Delete Icon stays as spinner
- #4358 **Bug** Error in Browser Console
- #4360 **Bug** Cannot import exported solution
- #4362 Task Make views nav dropdown hierachical
- #4364 **Bug** UI Shows Hamburger Menu even in Full Size Screen
- #4365 **Bug** Hamburger Menu too close to left of page
- #4366 **Bug** Alerts Interface. Hovering over buttons makes them disappear
- #4369 **Bug** oAuth Authorisation Broken
- #4370 Bug minor change to Alert window add name instead of ID
- #4372 Bug Refreshing auto-navigates back to the homepage in PE
- #4374 Bug Import: no data imported when creation of type on import selected
- #4375 Bug Import identify the failed records
- #4376 Bug export needs ANOTHER column of objectID after the Title field
- #4377 **Bug** instance list filtering on reference field sort the items
- #4378 **Bug** instance list filtering on reference field scrolling issue with > screenful of choices
- #4379 **Bug** Alerts not showing Workflow Name
- #4380 **Bug** sort dropdowns in instance editor
- #4381 **Bug** MSGraph typo in the prompt text
- #4383 **Bug** Remove focus outline on welcome page
- #4384 **Bug** Remove ugly text select on Task Editor when dragging size
- #4385 **Bug** Task Editor : Remove ugly text selection on when dragging size
- #4386 **Bug** Admin->Task List can only open tasks that have a RelatedObject
- #4387 Bug Link off Admin-> Tasks to Workflow instance has a missing hypen
- #4393 Bug Solution Import does not succeed
- #4394 Bug Error on First Load
- #4395 **Bug** View children breadcumb issues
- #4398 **Bug** Plugin error upgrade fails

Project Statistics

Language	files	blank	comment	code
JavaScript	10,797	136,397	440,784	3,274,171
JSON	631	86	0	490,756
C#	1,331	39,493	27,420	182,168

Language	files	blank	comment	code
TypeScript	1,829	19,603	129,439	173,585
С	20	4,283	8,673	58,254
Markdown	362	23,505	48	52,026
XML	1257	5220	9717	43,861
Text	148	451	0	40997
Bourne Shell	37	3,803	3,835	25,948
CSS	152	4,548	1,414	23,680
C# Designer	22	3,772	47	12,316
diff	5	126	1135	10,306
Razor	95	853	1594	9038
m4	1	823	84	7059
Korn Shell	1	996	1393	6502
HTML	30	705	2	4481
C# Generated	146	444	1389	2148
INI	53	205	0	1486
Visual Studio Solution	2	1	2	1394
LESS	16	255	8	1326
YAML	40	54	27	965
MSBuild script	38	204	78	961
SVG	24	0	4	754
make	12	277	734	754
Windows Resource File	11	70	113	705
C/C++ Header	7	104	390	681
PowerShell	25	26	116	516
DOS Batch	24	46	0	348
Windows Module Definition	4	1	0	318
SQL	1	30	52	314
Bourne Again Shell	1	5	0	48
XAML	4	9	0	48
Visual Basic Script	1	14	23	45

Language	files	blank	comment	code
Dockerfile	1	4	1	24
Properties	6	0	0	24
Nix	1	1	0	19
CoffeeScript	1	1	0	0
SUM:	17,136	246,415	628,522	4,428,026