

UiPath Studio Workflow Analyzer Custom Rules



1 using System.Diagnostics;
2 using UiPath.Studio.Activities.Api;
3 using UiPath.Studio.Activities.Api.Analyzer;
4 using UiPath.Studio.Activities.Api.Analyzer.Rules;
5 using UiPath.Studio.Analyzer.Models;
6
7 namespace ACME.HelloWorld.WorkflowAnalyzerRules.Rules.Sample
8 {
9 1 reference
10 public class SampleRule : IRegisterAnalyzerConfiguration
11 {
12 private const string RuleId = "HWR-SAMPLE-001";
13
14 2 references
15 public Rule<IActivityModel> Get()
16 {
17 return new Rule<IActivityModel>("Sample rule title", RuleId, InspectActivity)
18 {
19 RecommendationMessage = "Replace this sample rule with a real implementation.",
20 DefaultErrorLevel = TraceLevel.Info,
21 DocumentationLink = "https://github.com/rpapub/WatchfulAnvil/wiki/Rule-Documentation-HWR-SAMPLE-001"
22 };
23 };
24
25 0 references
26 public void Initialize(IAnalyzerConfigurationService workflowAnalyzerConfigService)
27 {
28 }
29 }
30 }
31 }
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33 }
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100 }

Solution Explorer

Search Solution Explorer (Ctrl+u)
Solution 'WatchfulAnvil.WorkflowAnalyzerRules' (6 of 6)
src
CPM.WorkflowAnalyzerRules
CPRIMA.WorkflowAnalyzerRules
HelloWorld.WorkflowAnalyzerRules
Dependencies
lib-deps
Rules
C# SampleRule.cs
RegisterAnalyzerConfiguration.cs
tests
CPM.WorkflowAnalyzerRules.Tests
CPRIMA.WorkflowAnalyzerRules.Tests
HelloWorld.WorkflowAnalyzerRules.Tests
Dependencies
UnitTest1.cs

Properties

Project Settings

General
Workflow Analyzer
Test Manager Configuration
Activities Settings
Automation Modern

Workflow Analyzer
Analyze if the project follows automation best practices and restrictions. [Learn more](#)
Search rule by name or code
Scope: All Default action: All

<input type="checkbox"/>	Code	Name	Scope	Default...
<input checked="" type="checkbox"/>	HWR-SAMPLE-001	Sample rule title	Activity	Info
<input checked="" type="checkbox"/>	MA-DBP-028	Empty Use Outlook Account...	Activity	Warning
<input checked="" type="checkbox"/>	ST-ANA-003	Project Workflow Count	Workflow	Info
<input checked="" type="checkbox"/>	ST-ANA-005	Check Project.json Exists	Project	Error
<input checked="" type="checkbox"/>	ST-ANA-006	Main Workflow Exists	Project	Error
<input checked="" type="checkbox"/>	ST-ANA-009	File Activities Stats	Activity	Info
<input checked="" type="checkbox"/>	ST-DBP-002	High Arguments Count	Workflow	Error
<input checked="" type="checkbox"/>	ST-DBP-003	Empty Catch Block	Activity	Error
<input checked="" type="checkbox"/>	ST-DBP-007	Multiple Flowchart Layers	Workflow	Warning
<input checked="" type="checkbox"/>	ST-DBP-021	Hardcoded Timeout	Activity	Warning
<input checked="" type="checkbox"/>	ST-DBP-023	Empty Workflow	Workflow	Warning
<input checked="" type="checkbox"/>	ST-DBP-024	Persistence Activities Check	Workflow	Error

Recommendation
Replace this sample rule with a real implementation

OK Cancel

Output

Show output from: Build
at 03:11...
i started: Project: HelloWorld.WorkflowAnalyzerRules, Configuration: Debug Any CPU -----
WorkflowAnalyzerRules -> D:\github.com\rapub\WatchfulAnvil\src\HelloWorld.WorkflowAnalyzerRules\bin\Debug\net461\HelloWorld.WorkflowAnalyzerRules.dll
WorkflowAnalyzerRules -> D:\github.com\rapub\WatchfulAnvil\src\HelloWorld.WorkflowAnalyzerRules\bin\Debug\net6.0\HelloWorld.WorkflowAnalyzerRules.dll
WorkflowAnalyzerRules -> D:\github.com\rapub\WatchfulAnvil\src\HelloWorld.WorkflowAnalyzerRules\bin\Debug\net8.0\HelloWorld.WorkflowAnalyzerRules.dll
1 succeeded, 0 failed, 0 up-to-date, 0 skipped -----
1d completed at 03:11 and took 11,633 seconds -----

v0.9

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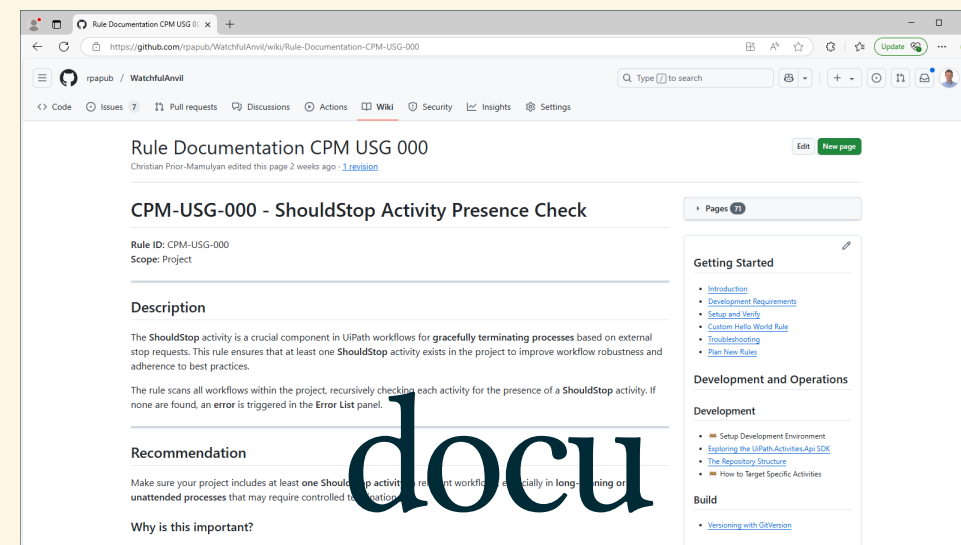
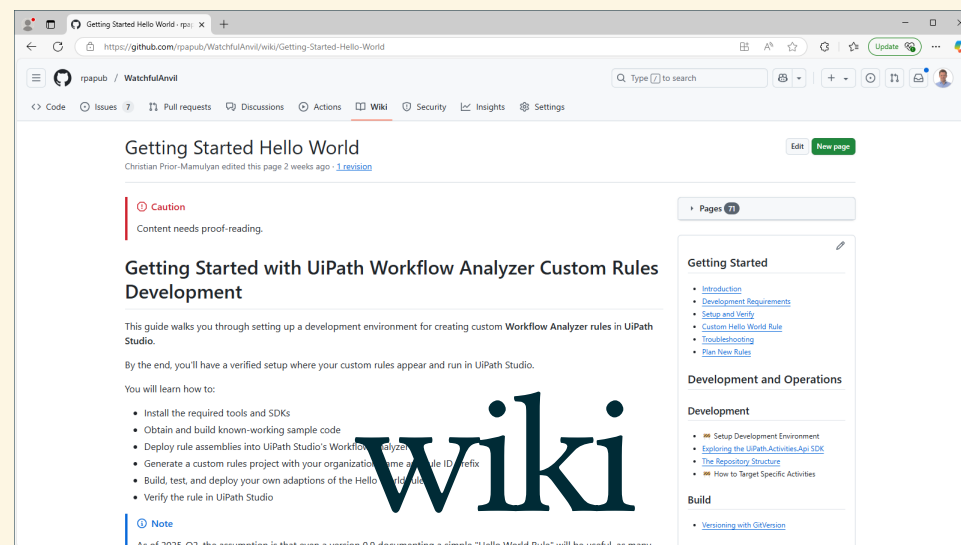
Getting Started: Hello World Rule

git clone

dotnet build

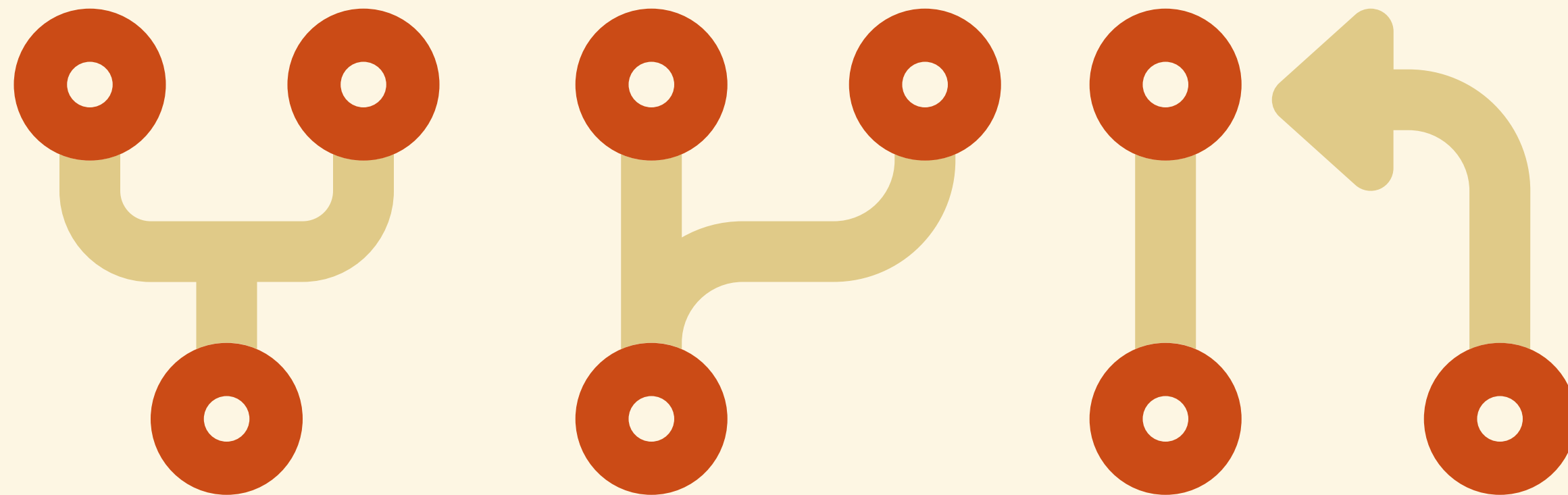
Copy-Item

inspect rule in UiPath Studio!



Contribute Your Rules!

Give back to the Community,
or potentially down the road to the product:
The repo is structured to hold many contributions.



Vibe Coding? Sleep Well with Rules in Place



<https://github.com/rpapub/WatchfulAnvil>