

# til::feature

Feature flags are controlled by an XML document stored at `src/features.xml` .

## Example Document

```
<?xml version="1.0"?>
<featureStaging xmlns="http://microsoft.com/TilFeatureStaging-Schema.xsd">
  <feature>
    <!-- This will produce Feature_XYZ::IsEnabled() and TIL_FEATURE_XYZ_ENABLED
(preprocessor) -->
    <name>Feature_XYZ</name>

    <description>Does a cool thing</description>

    <!-- GitHub deliverable number; optional -->
    <id>1234</id>

    <!-- Whether the feature defaults to enabled or disabled -->
    <stage>AlwaysEnabled|AlwaysDisabled</stage>

    <!-- Branch wildcards where the feature should be *DISABLED* -->
    <alwaysDisabledBranchTokens>
      <branchToken>branch/with/wildcard/*</branchToken>
      <!-- ... more branchTokens ... -->
    </alwaysDisabledBranchTokens>

    <!-- Just like alwaysDisabledBranchTokens, but for *ENABLING* the feature. -
->
    <alwaysEnabledBranchTokens>
      <branchToken>...</branchToken>
    </alwaysEnabledBranchTokens>

    <!-- Brandings where the feature should be *DISABLED* -->
    <alwaysDisabledBrandingTokens>
      <!-- Valid brandings include Dev, Preview, Release, WindowsInbox -->
      <brandingToken>Release</brandingToken>
      <!-- ... more brandingTokens ... -->
    </alwaysDisabledBrandingTokens>

    <!-- Just like alwaysDisabledBrandingTokens, but for *ENABLING* the feature
-->
    <alwaysEnabledBrandingTokens>
      <branchToken>...</branchToken>
    </alwaysEnabledBrandingTokens>

    <!-- Unequivocally disable this feature in Release -->
    <alwaysDisabledReleaseTokens />
  </feature>
</featureStaging>
```

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## Notes

Features that are disabled for Release using `alwaysDisabledReleaseTokens` are *always* disabled in Release, even if they come from a branch that would have been enabled by the wildcard.

## Precedence

1. `alwaysDisabledReleaseTokens`
2. Enabled branches
3. Disabled branches
  - The longest branch token that matches your branch will win.
4. Enabled brandings
5. Disabled brandings
6. The feature's default state