Overview

The nature of Microsoft Dynamics CRM solution development is becoming less about building a single, monolithic release and more about a continuous lifecycle of iterative releases. To be most effective, the code review activities should be integrated tightly into your release cycle to ensure code quality across releases. By combining the quality checkpoints with baseline code reviews, you will be able to answer questions such as:

- How much progress has been made in remediating the identified issues?
- Do the same issues previously identified continue to be repeated?
- Have new issues been added since the previous code review?
- Where is code quality trending in subsequent iterations?

Following the delivery of a Microsoft Dynamics CRM code review service, engage with Premier Field Engineering (PFE) to conduct a quality checkpoint review. The quality checkpoint review will involve analyzing your latest code base with our automated tools and comparing the results to the previous findings. Based on the findings, we will seek to identify persistent problem areas and potential new issues, and assess the general remediation progress and the code quality trend.

After performing the analysis, we will walk you through a detailed report that includes both key statistics that can be used for strategic planning purposes and the details on source/line instances of each contravention to aid in tactical remediation efforts. We will then discuss the progress, trends, and a go-forward plan for future iterations including additional reviews and checkpoints. Relevant to that plan, additional support options might also be discussed such as targeted training or a more extended PFE engagement with your development team. It is our mission to ensure that you too can CUSTOMIZE with CONFIDENCE!
How the Offering Works

The Microsoft Dynamics CRM Code Review service seeks to identify contraventions to the documented practices and patterns via static code analysis. Analysis activities primarily rely on automated tools that inspect code for adherence to more than fifty development rules specific to customizing Microsoft Dynamics CRM. The engineer will review the results and provide additional insights and commentary. The delivery process generally requires little effort from you, is often conducted remotely, and has a typical duration of two working days. We begin the delivery process after we receive and verify all the relevant code assets.

What Should be Reviewed

• The Microsoft Dynamics CRM solution code base that was reviewed in a previous code review engagement (this is a prerequisite for this Checkpoint Review)
• Although it is likely that new code would have been introduced since the previous review, the quality checkpoint is intended to perform a subsequent analysis on the same code base
• If the code base to be reviewed differs substantially in both the content and purpose than the previous engagement, a full code review engagement will be warranted

What We Need from You

• The project file (.pcproj) from the previous code review delivery
• Export of Microsoft Dynamics CRM solutions
• Managed Microsoft C# (or Microsoft Visual Basic) .NET code assets
• Web language (HTML and JavaScript) code assets
• Configuration files (app.config, web.config, and so on)

What You Get from Us

• Scoping document that details the code assets to be reviewed and the agreed upon desired goals/outcomes of the delivery
• Summary and visualization of identified contraventions by:
  o Code file/solution area
  o Guideline/practice
  o Language type
  o Severity/Priority
• Application inventory data
• Documented, prescriptive guidance outlining the established coding standards, sample patterns, and references to supporting resources
• List of the contravention instances identified during analysis:
  o Guideline
  o Severity
  o Type/Member (if appropriate)
  o Source file/line location (if appropriate)
  o Code statement
  o Comments
• The engineer’s observations and commentary on the identified contraventions and an assessment of the remediation progress and the code quality trends
• Meeting with the engineer who conducted the analysis effort to discuss the findings and the remediation approach

Maximize the Value of Your IT Investments

You getting the most out of your IT investments is the mission of Microsoft Services. Whether you are looking to increase profit, enhance productivity, or use technology to realize new business opportunities, we are ready to assist. From business support to strategic consulting, we offer a full range of Premier Support services for almost any stage in your IT lifecycle.