

New! Predictive Defect Convergence with HPE ALM
Questions and Answers
January 20, 2016

Q: When filtering this data in ALM and then going to the predictive model...is the filter also being applied to the dataset driving the prediction? For example. If you filter for defects for a particular Application...would it only look at defects in the past for that application...?

A: Yes, the filter is being applied to the historical dataset as well.

Q: Can we predict the estimated number of defects based on Requirements and test cases using this framework

A: That is a great suggestion and a user case that we're working on but it would require a separate algorithm.

Q: when you predict, is the defect data from a particular ALM project or ALM domain is used or entire ALM projects in ALM server is used

A: The algorithm works for each project separately. Cross-project and cross-domain calculations are something that we're considering for future development.

Q: How is this different from Defect Prediction Models based on COQUALMO models?

A: It is my understanding that COQUALMO is used primarily for estimating the defects per lines of code or functionality. There are some overlaps in terms of the what if analysis we're enabling and projected dates although our algorithm was developed independently based on extensive internal research.

Q: Is the data analyzed in real time or stored in a staging database?

A: It's analyzed in real time.

Q: Does this work only if we load defects on defect module or we should have everything from requirements test cases and defects linked in all modules?

A: We recommend linking entities within ALM and there's more detail in the white paper about that. For the predictive defect convergence algorithm, we're using defect data only for the calculations.