



**HHSBuild
1.0**

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1. HHSBuild

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

1.1. Report Overview

Static Analysis

Lines of code

266,836 

N/A packages

770 classes

9,334 methods

8.3% duplicated lines

Comments

20.7%

69,649 comment lines

Complexity

3.8

46.0 /class

35,414 decision points

Dynamic Analysis

Code Coverage

N/A

N/A tests

Test Success

N/A

N/A failures

N/A errors

Coding Rules Issues

Technical Debt

1,237d

Issues

35,853

1.2. Issues Analysis

Most violated rules	
Loose coupling	1,700
Illegal Catch	1,367
Confusing Ternary	788
Parameter Assignment	651
Missing Constructor	579

Most violated files	
FileNetOperationsUtils.java	1,128
P8ContentOperations.java	891
ConfigurationService.java	878
JQGridTag.java	857
ContractBudgetModificationService.java	788

Most complex files	
FileNetOperationsUtils.java	1,365
P8ContentOperations.java	1,264
EvaluationService.java	880
ConfigurationService.java	854
DocumentVaultController.java	714

Most duplicated files	
ContractBudgetModificationService.java	1,306
P8ContentOperations.java	1,182
ContractBudgetAmendmentService.java	977
P8ContentService.java	853
P8ProcessServiceForSolicitationFinancials.java	850

1.3. Issues Details

Rule	Loose coupling	
File	Line	
BulkUploadBatch.java	436, 437	
BulkUploadContractService.java	83, 124	
TemplateProcess1Impl.java	1176, 428, 51, 372, 85	
HHSConstants.java	7081	
ContractsBatchService.java	713, 378, 1553, 1455, 113, 605, 521, 442, 1760, 1403	

Rule	Illegal Catch
File	Line
BulkUploadBatch.java	407, 188, 466, 156
BulkUploadContractService.java	258, 224, 170
TemplateProcess1Impl.java	851, 1158
AccessAspect.java	371, 287
ContractsStatusUpdateBatch.java	284, 462, 201, 327, 970
ContractsBatchService.java	1840, 139, 1189, 1425

Rule	Confusing Ternary
File	Line
BulkUploadBatch.java	110
TemplateProcess1Impl.java	782, 765, 176, 748, 732
AccessAspect.java	266, 344, 337
ContractBudgetAccessHandler.java	28
DocumentAccessHandler.java	27
ProcurementAccessHandler.java	27
AgencySettingsController.java	536
AgencyWorkflowController.java	1423, 4026, 2080, 2979, 1262, 1089, 2250

Rule	Parameter Assignment
File	Line
BulkUploadBatch.java	252, 257, 262
AgencyWorkflowController.java	279, 864
BaseController.java	4884, 1505
BmcController.java	155, 209, 237, 202, 224, 245, 188, 219, 232
BudgetListController.java	451, 756
ContractBudgetAmendmentController.java	349
ContractBudgetController.java	797

Rule	Missing Constructor
File	Line
BulkUploadBatch.java	38
BulkUploadContractInfo.java	5
BulkUploadContractService.java	33
BulkUploadFileInformation.java	5

TemplateProcess1Impl.java	39
TemplateProcessFactory.java	14
BmcAccessHandler.java	14
ContractBudgetAccessHandler.java	15
ContractBudgetModificationAccessHandler.java	16
DocumentAccessHandler.java	11
EvaluationAccessHandler.java	11
EvaluationGroupAccessHandler.java	11
InvoiceAccessHandler.java	14
ProcurementAccessHandler.java	11
ProposalAccessHandler.java	11
RFPFinancialAccessHandler.java	12
ReleaseAccessHandler.java	11
HHSComponentMappingConstant.java	9
HHSConstants.java	14
ContractsStatusUpdateBatch.java	34

Rule	Unused method parameters should be removed
File	Line
BulkUploadBatch.java	68, 50
ContractsStatusUpdateBatch.java	49, 62
PaymentUpdateBatch.java	98, 45
ContractsBatchService.java	1623, 1403
AdvancePaymentController.java	73, 226
AdvancePaymentReviewController.java	71, 228
AgencySettingsController.java	72, 590
AgencyWorkflowController.java	4026, 4964, 2122, 3201, 1399, 4512

Rule	Excessive Method Length
File	Line
BulkUploadBatch.java	68, 208, 337
BulkUploadContractService.java	83, 124
TemplateProcess1Impl.java	1012, 242, 1118, 492, 717, 142, 868, 1176, 647, 812, 428, 928, 533, 608
TemplateProcessFactory.java	23

Rule	NPath complexity
File	Line
TemplateProcess1Impl.java	717, 242, 647, 1012
AccessAspect.java	235
AgencyWorkflowController.java	464, 855, 926
BaseController.java	2140
BmcController.java	1007
BudgetListController.java	988, 339, 164
ContractBudgetAmendmentController.java	95
ContractListController.java	4230, 1784, 4463, 3892, 209
InvoiceListController.java	189

Rule	Use Locale With Case Conversions
File	Line
DownloadDBDDocsThread.java	138, 158, 144
CompetitionPoolService.java	2052
CreatePDFService.java	944
EvaluationService.java	2343, 4764, 2290, 4550
SolicitationFinancialsGeneralService.java	424, 470
BudgetProviderActionFinancialExtension.java	64, 64
ContentDisplay.java	81, 88
RemindersBatch.java	474, 472
HHSUtil.java	359, 370, 3705

Rule	Unused formal parameter
File	Line
AdvancePaymentReviewController.java	228
AgencySettingsController.java	591
AgencyWorkflowController.java	4498, 1399, 764, 4013, 4012
BaseController.java	474, 2562, 3284, 2525
BudgetListController.java	684, 718, 649, 544, 781, 511, 800, 614, 579