Test Scenario (TS_001) : Disk alert is raised when disk is going above 80% of capacity

Test Case ID	Test Case Title	Pre-requisites	Test Steps	Test Data	Expected Result (ER)	Actual Result	Priority	Result	Comments
TC_DF_0 01	Verify that disk usage exceeds 80% and verify that the disk alert is triggered.	1.Open the 'This PC'	1.click on C: 2.Insert data into C: (more than 80% of disk capacity) 3.Verify alert on exceeding 80% of usage.	1.Test data to insert into C: (More than 80% of disk capacity)	1.Disk alert should be displayed.	Same as expected	P0	PASS	
TC_DF_0 02	Verify that disk usage below 80% and verify that the disk alert is not triggered.	1.Open the 'This PC'	1.click on C: 2.Insert data into C: (less than 80% of disk capacity) 3.Verify no alert below 80% of usage.	1.Test data to insert into C: (less than 80% of disk capacity)	1.Disk alert should be displayed.	Same as expected	P0	PASS	
TC_DF_0 03	Verify that the disk alert is configured to trigger when disk usage exceeds 80%.	1.Open the 'This PC'	1.click on C: 2.Insert data into C: (Exact 80% of disk capacity) 3.Verify alert on 80% of usage.	1.Test data to insert into C: (Exact 80% of disk capacity)	1.Disk alert should be displayed.	Same as expected	P0	PASS	
TC_DF_0 04	Verify that the disk alert provides clear and actionable information when triggered, such as the affected disk and suggested actions to take.	1.Open the 'This PC'	1.Right click on C: 2.Click on Properties. 3.Verify the disk alert for clear & actionable information.	1.Test data to insert into C: (Disk capacity Exactly 80% and above)	1. Disk alert should give clear & actionable information.	Same as expected	P0	PASS	
TC_DF_0 05	Verify that the disk alert is logged in the appropriate system logs for future reference and analysis.	1.Open the 'This PC'	1.Click on C: 2.Verify disk usage = 80% and above 3.Open log file 4.Verify disk alert logged in approriate system	1.Test data to insert into C: (Disk capacity Exactly 80% and above)	1.Log file should be generated fot future reference.	Same as expected	P0	PASS	
TC_DF_0 06	Verify that the disk alert is sent to the appropriate personnel or system for resolution.	1.Open the 'This PC'	1.Click on C: 2.Verify disk usage = 80% and above 3.Verify the disk alert is sent to apporiate personal or system for resolution.	1.Test data to insert into C: (Disk capacity Exactly 80% and above)	1.Disk alert should be sent for appropriate personnel or system for resolution.	Same as expected	P0	PASS	
TC_DF_0 07	Verify that the disk alert is tested regularly to ensure its functionality and reliability.	1.Open the 'This PC'	1.Right click on C: 2.Click on Properties 3.Verify the disk alert regularly to ensure its functionality and reliability.	1.Test data to insert into C: (Disk capacity Exactly 80% and above)	1.Disk alert should be tested regularlt to ensure its functionality and reliability	Same as expected	P0	PASS	

TC_DF_0 08	Test the disk alert with different types of data, such as large files or small files, to ensure it can accurately detect size when the disk is nearing capacity.	1.Open the 'This PC'	1.click on C: 2.Insert data into C: (Large or small files) 3.Verify disk alert for different types of data	1.Test data to insert into C: (Large or small files)	1.Disk alert should accurately detect size. 2.Disk alert should be displayed for small and large file above 80% of disk capacity	Same as expected	P0	PASS
TC_DF_0 09	Verify that the disk alert is configured to trigger at the appropriate frequency and does not produce false positives or false negatives.	1.Open the 'This PC'	1.click on C: 2.Insert data into C: (Large or small files) 3.Verify the disk alert configured to trigger at the appropriate frequency.	1.Test data to insert into C: (Large or small files)	1.Disk alert should ensure apporiate frequency and does not produce false negatives.	Same as expected	P0	PASS
TC_DF_0 10	Test the disk alert with different levels of disk capacity to ensure it can handle various amounts of data without triggering false alerts.	1.Open the 'This PC'	1.Right click on C: 2.Click on Properties 3.Verify disk alert for different levels of disk capacity	1.Test data to insert into C: (Large or small files)	1.Disk alert should ensure various amount of data without triggering false alert.	Same as expected	P0	PASS
TC_DF_0 11	Verify that the disk alert trigger notifications through different channels, such as email, SMS, or a dashboard display.	1.Open the 'This PC'	1.Right click on C: 2.Click on Properties 3.Verify disk alert trigger for different channel such as email,sms or dashboard display.	1.Test data to insert into C: (Large or small files)	1.Disk alert should trigger notifications like email,sms or dashboard display.	Same as expected	P0	PASS

TC_DF_0 12	Test the disk alert with different operating systems and file systems, such as testing the alert with Windows NTFS versus Linux , to ensure that it functions effectively with different types of file systems.	1.Open the 'This PC'	1.Right click on C: 2.Click on Properties. 3.Verify disk alert for different system types like NTFS,Linux file system.	1.Test data with different system types(NTFS,Linux file system.)	1.Disk alert should ensure with different file systems like NTFS,Linux.	Same as expected	P0	PASS
TC_DF_0 13	Test the disk alert with different types of workloads, such as testing the alert with a database workload,web server workload.	1.Open the 'This PC'	1.Right click on C: 2.Click on Properties 3.Verify disk alert for different workloads like database workload,web server workload.	1.Test data to insert into C: (Database workload,web server workload)	1.Disk alert should ensure with different workloads like database workload,web server workload.	Same as expected	P0	PASS