**2. User Guide**

**Prerequisites**

Visual Studio Code and extensions: PowerShell, Azure tools, Azure PowerShell tools.

* Install Azure PowerShell Module by using: Install-Module -Name Az -AllowClobber -Force
* Connect to Azure account by using command: Connect-AzAccount
* Verify you are connected by running: Get-AzSubscription

**How to Run the Script**

Open PowerShell script (.ps1 file) and navigate to file location in terminal

example: cd "C:\Path\To\Your\Script"

and run using command .\script.ps1

**Expected Output**

* A Resource Group and Storage Account will be created.
* A sample text file will be uploaded and then downloaded.
* A SAS URL will be displayed for secure access.
* A comparison of the uploaded and downloaded file will be performed.
* Finally, the Resource Group (and all its resources) will be deleted.

**3. Discussion of Limitations and Possible Improvements**

**Limitations**

1. **Hardcoded File Paths**
   * The script currently uses "C:\Temp\" for local files, which may not exist on all systems.
   * **Improvement**: Allow users to specify a file path via parameters.
2. **Limited Error Handling**
   * Although -ErrorAction Stop is used, finer error handling could provide custom error messages and logging for debugging.
   * **Improvement**: Wrap critical sections in Try-Catch blocks and log failures.
3. **Short SAS Token Expiry**
   * The SAS token expires in 1 hour.
   * **Improvement**: Allow users to specify a custom expiry time.