**Scenario 1: Small Company LAN with One Switch Over Wan**

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| A screenshot of a cell phone  Description generated with very high confidence | |
| A screenshot of a computer  Description generated with very high confidence | A screenshot of a computer  Description generated with very high confidence |

**Scenario 2: Small Company LAN with Two Switches Over Wan**

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| A screenshot of a cell phone  Description generated with very high confidence | A screenshot of a social media post  Description generated with very high confidence |
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| A screenshot of a cell phone  Description generated with very high confidence | A screenshot of a map  Description generated with very high confidence |

**Scenario 3: Small Company LAN FAILED ONE ROUTER Over Wan**

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| A screenshot of a social media post  Description generated with very high confidence | A screenshot of a social media post  Description generated with very high confidence |
| A screenshot of a social media post  Description generated with very high confidence | A screenshot of a social media post  Description generated with very high confidence |

**REFLECTION**

In this activity, We compare a small company LAN with one switch versus with two switches over WAN. In scenario 1, the company network is connected to only one switch while in the Second scenario, the company network is divided into smaller segments connected to a switch. The LAN in both scenarios is connected to the internet with T1 line. However the second scenario uses 2 T1 lines. Upon running and comparing the result of both scenario, there is a significant improvement in response times and link utilization of the Scenario with TWO switches compare to only One switch. Additionally, upon testing if one of the link or router should fail in the Scenario with TWO SWITCHES, the user can still access the Internet but at the expense of higher response times and higher link utilization.