**MEMORANDUM – 2 MINUTE BRIEFING 5**

**TO:** CASEY G. CEGIELSKI, PH. D, CISSP, CISA, CRISC

**FROM:** CENSORED

**DATE:** 10/9/19

There are four types of assets: hardware assets, software assets, personnel assets, and data assets. I will make an asset register below to help describe my point here.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Asset** | **# of Instances** | **Sharing** | **Description** | **Importance to Business** | **Value** | **Type** |
| 1 | Banking app suite | 1 | Yes | The mobile banking app | High | $4 million | Software |
| 2 | Transaction Processing Server | 1 | No | The server for processing transactions (multi-core) | High | $64,000 | Hardware |
| 3 | Redundancy Server | 1 | No | A backup for the primary server for as long as required | High | High | Hardware |
| 4 | Disaster Recovery Server | 1 | No | Restores data in the event that the primary transaction process server has a data loss (can also serve as another backup) | High | High | Hardware |
| 5 | Firewall Appliance | 1 | Yes | Uses intrusion detection, prevention applications, log capture and analysis apps | High | $64,000 | Software |
| 6 | Web Server | 1 | Yes | The company web server | Medium | $4,800 | Hardware |
| 7 | Mail Server | 1 | Yes | The company mail server | Medium | $4,800 | Hardware |
| 8 | File Server | 1 | Yes | The company file server | Medium | $4,800 | Hardware |
| 9 | Loan/Customer Management Software | 1 (of each) | Yes | The software for managing data on customers and loans | Medium | $132,000 | Software |
| 10 | Database Server | 1 | Yes | The database server that holds all important company data | High | High | Hardware and Data |
| 11 | Teller Terminal | 5 | No | Terminals for tellers to access key customer transactions during business hours | Medium | Medium | Hardware |
| 12 | Staff | Medium | No | All the staff members that work in this business | High | High | Personnel |

As you can see above, I have listed all the servers under hardware assets, all the programs under software assets, all the staff under personnel assets, and the only thing that qualified as a data asset is the database server. The classifications on these assets should be pretty self-explanatory: all the servers that must be physically maintained and secured are hardware assets, all applications used by employees are software assets, any person that must be depended on for a part of the company (tellers, the Network Manager, etc.) is a personnel asset and anything that stores the company/customer data is a data asset. I have valued the majority of these based on the costs supplied to me, although a few have been estimated using the categories “high”, “medium” and “low” if a cost was not given; this classification system was also used to determine the importance of each asset.