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| **Description** | **Evaluation** | **Likelihood** | **Impact** | **Responsibility** | **Response** | **Control measures** |
| Unauthorised SSH access over the internet to the services’ instances | Someone unauthorised would have access to the services’ instances - with use of sudo | Low | High | Developers' responsibility | Stop the instance on AWS and reconfigure another instance with stronger security to prevent this happening in the future | Use a bastion EC2 with a security group that only allows access from developer’s IPs.  Only allow SSH access on services instances from within the Virtual Private Cloud |
| Unauthorised acquisition of passwords and access keys | Someone would be able to access passwords or access keys | Low | Medium | Developers'  responsibility | Change passwords and/or access keys immediately | Ensure only strong passwords are used.  Ensure that anything uploaded to VCS (GitHub) is sanitised of raw passwords/access keys.  Ensure that different strong passwords are being used for different access points for services used  Ensure that no private access keys are stored on EC2 instances |
| Cloud provider failing | Resources would shut down and would be no longer accessible | Low | Very high | AWS | Recreate the AWS infrastructure in a different region | Ensure all deployment and code for resources are as automated as possible to allow for a quick recovery. |
| Reintroduction of legacy bugs | Broke jenkins deployment | Happened | High | Developers' | Cross reference an earlier build to remove the bug | Ensuring accurate use of main and development feature branch model in VCS (Git).  Ensures any legacy bugs are temporary |
| Developer working on project falls ill | The project deadline would be in jeopardy as one developer would have lower/no output capacity | Low | High | Developers' | Stay healthy and rest in order to recover and potentially still contribute to meet the project deadline. | Work from home where possible and avoid contact with anyone with a known contagious illness  Maintain a healthy diet and lifestyle for improved immunity |
| Improper configuration and/or installation of requirements | The application would not function, and default passwords would be used | Medium | High | Developer's and Users shared responsibility | Ensure adequate uninstallation or resetting of AWS infrastructure before beginning correct installation/configuration again | Developers to include thorough installation and configuration guide in the README.md with clear, coherent and tested instructions for the user to follow. |