**Project Definition**

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| Background | Objectives |
| Terraform has been chosen as the backbone of the CD SRE new infrastructure. Brocade Software load balancers are the load balancers of choice for CD SRE and are deployed throughout its infrastructure. Unfortunately, there is no module to allow the creation of Brocade load balancers with Terraform. | The Project Should allow:   * Terraform to deploy Brocade Load Balancers |
| Desired Outcomes | Project Scope & Exclusions |
| Create a module to allow Terraform to fully deploy and appropriately pre-configure Brocade Load Balancers. | The project scope is the creation of a module within Terraform to allow the deployment of Brocade load balancers to all envs. |
| Constraints & Assumptions | Project Tolerances |
| * A maximum of two Associate Devops Engineers will be assigned full time. * The project will run for 4 months. * A Devops Engineer or Senior Devops Engineer will be available for consultation and approval. * Technology must comply with CD SRE standards, and new technology must receive managerial approval. * All pertinent CD SRE policies and procedures must be followed. * Organisation of work will be done via Scrum. | The Project goes into exception when there it is more than a week (5 working days) behind schedule. |
| Users & Stakeholders | Interfaces |
| Primary Stakeholder is CD SRE, who will be represented in the following way:  Product Owner: David Oliveira/Peter Street | Any needed interfaces will be provided through your Supervising Engineer or Scrum-master. |

**Project Product Description**

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| Composition | Development Skills Requires |
| The project should deliver a Terraform module that will deploy Brocade Load Balancers within CD. | N/A |
| Quality Expectations | Acceptance Methods and Acceptance Responsibilities |
| The framework is expected to follow the CD SRE IaC principles. The system is expected to function as automatically as possible. The system is expected to be documented such that suitably experienced/qualified engineers are able to use and maintain it with reverse engineering it. | The project is complete in one of two scenarios:   1. The technology is found to be unworkable or impractical. 2. The technology module is available for Terraform to use in any non-prod environment. |

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| Project Approach | The project will be managed in-house in a simple way by the assigned engineers. The project delivery will be done through Scrum. Technology to be guided by your lead engineer and/or CD SRE. |
| Project Management Team Structure | Project Manager: Team (supervised).  Product Owner: David Oliveira Scrum-master: Peter Street/David Oliveira  Supervising Engineer: TBC. |
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