SIP CALLFLOW DIAGRAMS

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DIAGRAMS

Cross Domain Callflow - Failed Call 1 172.17.0.3:Local-Kamailio 146.231.121.130:Extern-Kamailio 146.231.126.7:Alice Alice tries to make a call to Bob (who is registered on another domain); however she mistypes his name. INVITE sip:not-bob@s11pd011-19.ict.ru.ac.za | 407 Proxy Authentication Required | ACK sip:not-bob@s11pd011-19.ict.ru.ac.za | Resend INVITE with authentication. INVITE sip:not-bob@s11pd011-19.ict.ru.ac.za | 100 trying -- your call is important to us | Forward request to Bob's proxy INVITE sip:not-bob@s11pd011-19.ict.ru.ac.za | User is not found. 404 Not Found | ACK sip:not-bob@s11pd011-19.ict.ru.ac.za | Alice's proxy notifies her that the user she has requested is not registered on the specified domain. 404 Not Found | Alice's device acknowledges that she has been notified. ACK sip:not-bob@s11pd011-19.ict.ru.ac.za |

Figure 1: An example of Alice (local domain) attempting to call Bob (external domain) unsuccessfully.

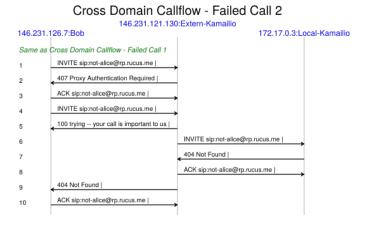


Figure 2: An example of Alice (local domain) attempting to call Bob (external domain) unsuccessfully.



Figure 3: An example of Alice successfully connecting a call to Bob who resides on a separate domain.

Failed Registration 172.17.0.3:Local-Kamailio 146.231.126.7:Alice Alice attempts to register with her local kamailio proxy. REGISTER sip:rp.rucus.me (fetch bindings) | Proxy requires authentication. 401 Unauthorized (0 bindings) | Alice retries with authentication. REGISTER sip:rp.rucus.me (fetch bindings) | Proxy replies 401 Unauthorized because Alice's password is incorrect. 401 Unauthorized (0 bindings) | 4

Figure 4: An example of a failed registration attempt.

Successful Registration

172.17.0.3:Local-Kamailio



Figure 5: An example of a successful registration attempt.

Standard Callflow - Failure

172.17.0.3:Local-Kamailio

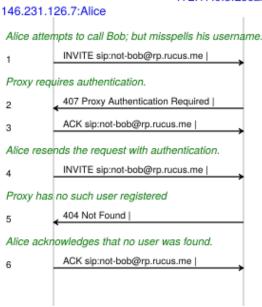


Figure 6: An example of a failed call attempt within a given domain.

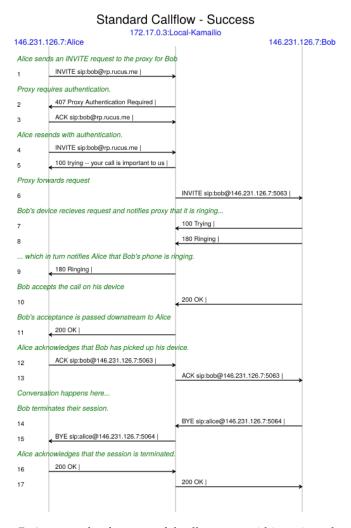


Figure 7: An example of a successful call attempt within a given domain.