6.5.3: Insecure cryptographic storage (cont.)	SIGMA.cors_with_credentials_http_origin_terraform_azurerm_app_service, SIGMA.credentials_validation_disabled_node_aws_sdk, SIGMA.database_encryption_disabled_cloudformation_doc_db, SIGMA.database_encryption_disabled_cloudformation_dynamo_db, SIGMA.database_encryption_disabled_cloudformation_neptune_cluster, SIGMA.database_encryption_disabled_cloudformation_rds_cluster, SIGMA.database_encryption_disabled_cloudformation_rds_instance, SIGMA.database_encryption_disabled_cloudformation_redshift_cluster, SIGMA.database_encryption_disabled_terraform_aws_athena, SIGMA.database_encryption_disabled_terraform_aws_rds, SIGMA.deprecated_http_client_apache_default_http_client, SIGMA.deprecated_http_client_apache_system_default_http_client, SIGMA.disk_encryption_disabled_cloudformation_aws_autoscaling, SIGMA.disk_encryption_disabled_cloudformation_dax, SIGMA.disk_encryption_disabled_cloudformation_efs, SIGMA.disk_encryption_disabled_cloudformation_elastic_cache_group, SIGMA.disk_encryption_disabled_cloudformation_elastic_search, SIGMA.disk_encryption_disabled_cloudformation_workspace_volume, SIGMA.disk_encryption_disabled_terraform_aws_dax, SIGMA.disk_encryption_disabled_terraform_aws_ebs, SIGMA.disk_encryption_disabled_terraform_aws_efs, SIGMA.disk_encryption_disabled_terraform_azurerm_managed_disk, SIGMA.empty_encryption_key_node_crypto, SIGMA.encryption_disabled_cloudformation_eks, SIGMA.encryption_disabled_ios_multipeer_connection, SIGMA.encryption_disabled_spring_security, SIGMA.encryption_disabled_terraform_aws_eks, SIGMA.expect_ct_disabled_express_helmet, SIGMA.hpkp_max_age_too_long_express, SIGMA.hpkp_max_age_too_long_koa, SIGMA.hpkp_report_uri_missing_tls_express, SIGMA.hpkp_report_uri_missing_tls_koa, SIGMA.hsts_http_header_subdomains_disabled_express_helmet, SIGMA.hsts_http_header_subdomains_disabled_express_hsts, SIGMA.improper_use_of_symmetric_cryptography_hazelcast_code, SIGMA.improper_use_of_symmetric_cryptography_hazelcast_xml, SIGMA.improper_use_of_symmetric_cryptography_hazelcast_yaml, SIGMA.insecure_cipher_core_java_block_cipher, SIGMA.insecure_cipher_core_java_block_cipher_mode, SIGMA.insecure_cipher_core_java_stream_cipher, SIGMA.insecure_tls_cipher_suite_cloudformation_load_balancer, SIGMA.insecure_tls_cipher_suite_node_https, SIGMA.insecure_tls_cipher_suite_node_request, SIGMA.insecure_tls_cipher_suite_node_tls, SIGMA.insecure_tls_version_ats_exception, SIGMA.insecure_tls_version_cloudformation_cloudfront, SIGMA.insecure_tls_version_cloudformation_elastic_search, SIGMA.insecure_tls_version_cloudformation_load_balancer, SIGMA.insecure_tls_version_core_java, SIGMA.insecure_tls_version_ios_protocol_max, SIGMA.insecure_tls_version_ios_protocol_min, SIGMA.insecure_tls_version_ios_stream_property, SIGMA.insecure_tls_version_kafka, SIGMA.insecure_tls_version_node_https, SIGMA.insecure_tls_version_node_request, SIGMA.insecure_tls_version_node_tls, SIGMA.insecure_tls_version_terraform_azurerm_app_service, SIGMA.insecure_tls_version_terraform_azurerm_postgresql, SIGMA.insecure_tls_version_terraform_azurerm_storage_account, SIGMA.insufficient_asymmetric_key_size_core_java, SIGMA.insufficient_symmetric_key_size_core_java, SIGMA.jwt_untrusted_decode_io_jsonwebtoken, SIGMA.jwt_untrusted_decode_jsonwebtoken, SIGMA.kms_encryption_service_disabled_kubernetes, SIGMA.login_over_http_spring_security, SIGMA.message_encryption_disabled_cloudformation_sns, SIGMA.message_encryption_disabled_cloudformation_sqs, SIGMA.missing_mtls_consul, SIGMA.missing_mtls_istio_port, SIGMA.missing_mtls_istio_service, SIGMA.missing_mtls_istio_workload, SIGMA.missing_mtls_kafka_broker, SIGMA.missing_mtls_rabbitmq, SIGMA.missing_perfect_forward_secrecy_ats_exception, SIGMA.missing_perfect_forward_secrecy_ats_temporary_exception, SIGMA.missing_perfect_forward_secrecy_ats_temporary_third_party_exception, SIGMA.missing_perfect_forward_secrecy_ats_third_party_exception, SIGMA.missing_secure_attribute_postman, SIGMA.missing_secure_attribute_remember_me_cookie_spring_security_code, SIGMA.missing_secure_attribute_remember_me_cookie_spring_security_config, SIGMA.missing_secure_attribute_servlet, SIGMA.missing_secure_attribute_session_cookie_express, SIGMA.missing_secure_attribute_session_cookie_grails, SIGMA.missing_secure_attribute_session_cookie_servlet_xml, SIGMA.missing_secure_attribute_session_cookie_spring_boot_properties, SIGMA.missing_secure_attribute_session_cookie_spring_boot_yaml, SIGMA.missing_tls_apache_http, SIGMA.missing_tls_apache_telnet, SIGMA.missing_tls_ats_arbitrary_loads, SIGMA.missing_tls_ats_arbitrary_loads_for_media, SIGMA.missing_tls_ats_arbitrary_loads_in_web_content, SIGMA.missing_tls_ats_domain_exception, SIGMA.missing_tls_ats_localhost_exception, SIGMA.missing_tls_ats_temporary_exception, SIGMA.missing_tls_ats_temporary_third_party_exception, SIGMA.missing_tls_ats_third_party_exception, SIGMA.missing_tls_axios, (cont. on next page)

6.5.3: Insecure cryptographic storage (cont.)	SIGMA.missing_tls_cloudformation_cloudfront, SIGMA .missing_tls_cloudformation_doc_db, SIGMA.missing_tls_cloudformation_elastic_cache, SIGMA.missing_tls_cloudformation_elastic_search, SIGMA.missing_tls_cloudformation_elastic_search_node_to_node, SIGMA.missing_tls_cloudformation_load_balancer, SIGMA.missing_tls_cloudformation_load_balancer_classic, SIGMA.missing_tls_common_properties, SIGMA.missing_tls_consul, SIGMA.missing_tls_consul_client, SIGMA.missing_tls_core_java_httprequest, SIGMA.missing_tls_core_java_httpurlconnection, SIGMA.missing_tls_got, SIGMA.missing_tls_hapi_session_mongo, SIGMA.missing_tls_java_unirest, SIGMA.missing_tls_kafka_broker, SIGMA.missing_tls_kafka_client, SIGMA.missing_tls_kafka_listener, SIGMA.missing_tls_node_aws_sdk, SIGMA.missing_tls_node_ftp, SIGMA.missing_tls_node_grpc, SIGMA.missing_tls_node_http, SIGMA.missing_tls_node_rest_client, SIGMA.missing_tls_node_telnet, SIGMA.missing_tls_node_telnet_client, SIGMA.missing_tls_openapi_oauth2_endpoint, SIGMA.missing_tls_openapi_ref, SIGMA.missing_tls_openapi_v2_base_uri, SIGMA.missing_tls_openapi_v3_base_uri, SIGMA.missing_tls_openapi_x_a127, SIGMA.missing_tls_openapi_x_amazon_apigateway_integration, SIGMA.missing_tls_openapi_x_google_backend, SIGMA.missing_tls_openapi_x_google_jwks, SIGMA.missing_tls_openapi_x_servers, SIGMA.missing_tls_postman, SIGMA.missing_tls_sequelize, SIGMA.missing_tls_socket_io_client, SIGMA.missing_tls_spring_boot_cassandra_properties, SIGMA.missing_tls_spring_boot_cassandra_yaml, SIGMA.missing_tls_spring_boot_couchbase_properties, SIGMA.missing_tls_spring_boot_couchbase_yaml, SIGMA.missing_tls_spring_boot_elasticsearch_properties, SIGMA.missing_tls_spring_boot_elasticsearch_yaml, SIGMA.missing_tls_spring_boot_management_server_properties, SIGMA.missing_tls_spring_boot_management_server_yaml, SIGMA.missing_tls_spring_boot_properties, SIGMA.missing_tls_spring_boot_rabbitmq_properties, SIGMA.missing_tls_spring_boot_rabbitmq_yaml, SIGMA.missing_tls_spring_boot_redis_properties, SIGMA.missing_tls_spring_boot_redis_yaml, SIGMA.missing_tls_spring_boot_yaml, SIGMA.missing_tls_spring_ftp, SIGMA.missing_tls_spring_resttemplate, SIGMA.missing_tls_terraform_aws_cloudfront, SIGMA.missing_tls_terraform_aws_docdb, SIGMA.missing_tls_terraform_aws_load_balancer, SIGMA.missing_tls_terraform_azurerm_app_service, SIGMA.missing_tls_terraform_azurerm_mysql, SIGMA.missing_tls_terraform_azurerm_postgresql, SIGMA.missing_tls_terraform_azurerm_storage_account, SIGMA.missing_tls_terraform_google_sql_db, SIGMA.missing_tls_websocket, SIGMA.missing_tls_ws, SIGMA.null_cipher_used_core_java, SIGMA.plaintext_storage_sensitive_data_kubernetes, SIGMA.plaintext_storage_sensitive_data_kubernetes_env_vars, SIGMA.plaintext_storage_sensitive_data_terraform_aws_ec2_user_data, SIGMA.plaintext_storage_sensitive_data_terraform_aws_lambda_env_vars, SIGMA.plaintext_storage_sensitive_data_terraform_azurerm_vm_custom_data, SIGMA.project_encryption_disabled_cloudformation_codebuild, SIGMA.project_encryption_disabled_terraform_aws_codebuild, SIGMA.query_encryption_disabled_terraform_aws_athena, SIGMA.rsa_no_padding_core_java, SIGMA.sasl_plain_enabled_kafka_broker, SIGMA.sasl_plain_enabled_kafka_client, SIGMA.sensitive_data_in_cookie_servlet, SIGMA.sensitive_data_in_query_string_openapi, SIGMA.sensitive_data_in_query_string_spring_security, SIGMA.unprotected_master_key_cloudformation_aws_kms, SIGMA.unsafe_authentication_filter_spring_security, SIGMA.unspecified_cipher_transformation_core_java, SIGMA.vendor_provided_encryption_key_cloudformation_cloudtrail, SIGMA.vendor_provided_encryption_key_cloudformation_efs, SIGMA.vendor_provided_encryption_key_terraform_google_compute, SIGMA.weak_hash_apache_commons_codec, SIGMA.weak_hash_core_java, SIGMA.weak_hash_node_crypto, SIGMA.weak_password_hash_grails_springsecurity, SIGMA.weak_password_hash_spring_security_code, SIGMA.weak_password_hash_spring_security_config, STRICT_TRANSPORT_SECURITY, UNENCRYPTED_SENSITIVE_DATA, UNSAFE_BASIC_AUTH, UNSAFE_SESSION_SETTING, WEAK_PASSWORD_HASH

6.5.4: Insecure communications (cont.)	(cont.)0aT1cep5 71.5 (e_ja70.3Td((cont.))Tj17tlsev)6l7ck_rs 71_(loudform75 71_8cipher_cor)9.5 (e4jloud

6.5.6: All “high risk” vulnerabilities identified in the vulnerability identification process (as defined in PCI DSS Requirement 6.1).	These Coverity checkers meet this requirement*: ALLOC_FREE_MISMATCH, ANDROID_CAPABILITY_LEAK, ANGULAR_BYPASS_SECURITY, ANGULAR_ELEMENT_REFERENCE, ANGULAR_EXPRESSION_INJECTION, ANGULAR_SCE_DISABLED, ANONYMOUS_DB_CONNECTION, ARRAY_VS_SINGLETON, BAD_ALLOC_ARITHMETIC, BAD_ALLOC_STRLEN, BAD_CERT_VERIFICATION, BAD_FREE, BUFFER_SIZE, COM.BAD_FREE, COM.BSTR.ALLOC, COM.BSTR.CONV, CONFIG.ASP_VIEWSTATE_MAC, CONFIG.BEEGO_CSRF_PROTECTION_DISABLED, CONFIG.CONNECTION_STRING_PASSWORD, CONFIG.COOKIE_SIGNING_DISABLED, CONFIG.DEAD_AUTHORIZATION_RULE, CONFIG.DJANGO_CSRF_PROTECTION_DISABLED, CONFIG.ENABLED_DEBUG_MODE, CONFIG.ENABLED_TRACE_MODE, CONFIG.HANA_XS_PREVENT_XSRF_DISABLED, CONFIG.HARDCODED_CREDENTIALS_AUDIT, CONFIG.HARDCODED_TOKEN, CONFIG.HTTP_VERB_TAMPERING, CONFIG.JAVAEE_MISSING_HTTPONLY, CONFIG.MISSING_CUSTOM_ERROR_PAGE, CONFIG.SYMFONY_CSRF_PROTECTION_DISABLED, CONFIG.UNSAFE_SESSION_TIMEOUT, COOKIE_INJECTION, CORS_MISCONFIGURATION, CORS_MISCONFIGURATION_AUDIT, CSRF, CSS_INJECTION, DOM_XSS, DYNAMIC_OBJECT_ATTRIBUTES, EL_INJECTION, FB.BC_NULL_INSTANCEOF, FB.BX_BOXING_IMMEDIATELY_UNBOXED_TO_PERFORM_COERCION, FB.DMI_CONSTANT_DB_PASSWORD, FB.DMI_EMPTY_DB_PASSWORD, FB.FI_PUBLIC_SHOULD_BE_PROTECTED,

6.5.6: All “high risk” vulnerabilities identified in the vulnerability identification process (as defined in PCI DSS Requirement 6.1). (cont.)	PMD.ApexOpenRedirect, PMD.ApexSOQLInjection, PMD.ApexSharingViolations,

6.5.10: Broken authentication and session management. (cont.)	SIGMA.access_control_disabled_openapi_x_google_backend, SIGMA.access_control_disabled_openapi_x_wso2, SIGMA.access_control_disabled_zookeeper, SIGMA.anonymous_access_enabled_kubernetes, SIGMA.anonymous_access_enabled_rabbitmq_local, SIGMA.anonymous_access_enabled_rabbitmq_remote, SIGMA.api_key_auth_enabled_openapi_v2, SIGMA.api_key_auth_enabled_openapi_v3, SIGMA.basic_auth_enabled_cloudformation_aws_amplify, SIGMA.basic_auth_enabled_kubernetes, SIGMA.basic_auth_enabled_openapi_v2, SIGMA.basic_auth_enabled_openapi_v3, SIGMA.basic_auth_enabled_postman, SIGMA.basic_auth_enabled_terraform_azurerm_vm, SIGMA.basic_auth_enabled_terraform_gke, SIGMA.cache_ttl_too_long_openapi_x_a127, SIGMA.cloud_service_authn_disabled_terraform_azurerm_app_service, SIGMA.disabled_session_fixation_protection_grails_springsecurity, SIGMA.empty_password_core_java_sql, SIGMA.excessive_session_lifetime_connect_mongo, SIGMA.excessive_session_lifetime_connect_redis, SIGMA.excessive_session_lifetime_express_client_sessions, SIGMA.excessive_session_lifetime_express_cookie_session, SIGMA.excessive_session_lifetime_express_session, SIGMA.excessive_session_lifetime_

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