# **VULNERABILITY FOUNDED -Unhandled window messages**

| Name          | Team               | Role             | Is this a re-tested Finding? |  |  |
|---------------|--------------------|------------------|------------------------------|--|--|
| Pranav Sharma | Cybersecurity team | Secure code team | No                           |  |  |

| Was this Finding Successful? |
|------------------------------|
| Yes                          |

## **Risk Rating**

Impact: Minor Likelihood: Rare

| Impact values          |                       |                      |                       |                        |  |  |  |
|------------------------|-----------------------|----------------------|-----------------------|------------------------|--|--|--|
| Very Minor             | Minor                 | Significant          | Major                 | Severe                 |  |  |  |
| Risk that holds little | Risk that holds minor |                      | Risk that holds major | Risk that holds severe |  |  |  |
| to no impact. Will not | form of impact, but   | enough impact to be  | impact to be of       | impact and is a        |  |  |  |
| cause damage and       | not significant       | somewhat of a        | threat. Will cause    | threat. Will cause     |  |  |  |
| regular activity can   | enough to be of       | threat. Will cause   | damage that will      | critical damage that   |  |  |  |
| continue.              | threat. Can cause     | damage that can      | impede regular        | can cease activity to  |  |  |  |
| some damage but not    |                       | impede regular       | activity and will not | be run.                |  |  |  |
|                        | enough to impede      | activity but will be | be able to run        |                        |  |  |  |
|                        | regular activity.     | able to run          | normally.             |                        |  |  |  |
|                        |                       | normally.            |                       |                        |  |  |  |

| Likelihood                                  |          |                 |       |   |  |  |  |
|---|----------|-----------------|-------|---|--|--|--|
| Rare  | Unlikely | <b>Moderate</b> | High  | Certain   |  |  |  |
| and/or if it did, it<br>happens in specific |          | and/or happens. | l ' ' | Event is occurring now and/or happens frequently. |  |  |  |

### **Business Impact**

If certain window messages are not handled correctly by Flutter or its plugins, it could lead to unexpected behaviour or crashes in the application. However, the impact is likely to be minor since it's specific to window message handling.

### **Location of vulnerability**

Inside the MessageHandler function.

#### **Evidence**

#### **Remediation Advice**

Ensure that all relevant window messages are properly handled by Flutter and its plugins to prevent unexpected behaviour or crashes.

Implement robust error handling and logging mechanisms to detect and diagnose any issues related to window message handling.

#### **Contact Details**

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