Universal Table

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| --- | --- | --- |
| **user.user\_id** | **user.password** | **thread.title** |
| **rating.score** | **rating.date\_created** | **vulnerability.cve** |
| **exploit.date\_created** | **exploit.date\_modified** | **exploit.min\_affected\_version** |
| **os.min\_affected\_version** | **os.max\_affected\_version** | **architecture.name** |
| **post.title** | **post.text** | **post.date\_created** |
| **vulnerability.severity** | **vulnerability.date\_created** | **vulnerability.date\_modified** |
| **application.date\_created** | **application.date\_modified** | **os.name** |
| **target.name** | **target.date\_created** | **target.date\_modified** |
| **thread.date\_created** | **thread.date\_modified** | **post.date\_modified** |
| **vulnerability.name** | **vulnerability.desc** | **exploit.exploit\_id** |
| **exploit.max\_affected\_version** | **application.name** | **os.date\_created** |
| **architecture.date\_created** | **architecture.date\_modified** | **application.version** |
| **forum.topic** | **exploit.exploit\_code** | **os.date\_modified** |
| **os.version** | **result.date\_created** | **result.result\_id** |

1st Normal Form

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| **user.user\_id** | **user.password** |

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| **forum.topic** | **thread.title** | **post.title** |
| **thread.date\_created** | **thread.date\_modified** | **post.text** |
| **post.date\_created** | **post.date\_modified** | **user.user\_id** |

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| **user.user\_id** | **exploit.exploit\_id** | **rating.date\_created** |
| **rating.score** |  |  |

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| --- | --- | --- |
| **vulnerability.name** | **vulnerability.cve** | **vulnerability.desc** |
| **vulnerability.severity** | **vulnerablity.date\_created** | **vulnerability.date\_modified** |
| **user.user\_id** |  |  |

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| **application.name** | **application.date\_created** | **application.date\_modified** |
| **user.user\_id** |  |  |

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| **os.name** | **os.date\_created** | **os.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **architecture.name** | **architecture.date\_created** | **architecture.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **target.name** | **application.name** | **target.date\_created** |
| **target.date\_modified** | **os.name** | **os.version** |
| **architecture.name** | **application.version** | **user.user\_id** |

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| **result.result\_id** | **exploit.exploit\_id** | **result.date\_created** |
| **target.name** | **user.user\_id** |  |

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| --- | --- | --- |
| **exploit.exploit\_id** | **application.name** | **os.name** |
| **architecture.name** | **exploit.exploit\_code** | **exploit.date\_created** |
| **exploit.date\_modified** | **application.min\_affected\_version** | **application.max\_affected\_version** |
| **os.min\_affected\_version** | **os.max\_affected\_version** | **user.user\_id** |
| **vulnerability.name** |  |  |

2nd Normal Form

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| **user.user\_id** | **user.password** |

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| --- | --- | --- |
| **forum.topic** | **thread.title** | **post.title** |
| **thread.date\_created** | **thread.date\_modified** | **post.text** |
| **post.date\_created** | **post.date\_modified** | **user.user\_id** |

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| **user.user\_id** | **exploit.exploit\_id** | **rating.date\_created** |
| **rating.score** |  |  |

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| --- | --- | --- |
| **vulnerability.name** | **vulnerability.cve** | **vulnerability.desc** |
| **vulnerability.severity** | **vulnerablity.date\_created** | **vulnerability.date\_modified** |
| **user.user\_id** |  |  |

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| **application.name** | **application.date\_created** | **application.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **os.name** | **os.date\_created** | **os.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **architecture.name** | **architecture.date\_created** | **architecture.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **target.name** | **target.date\_created** | **target.date\_modified** |
| **os.name** | **os.version** | **architecture.name** |
| **user.user\_id** |  |  |

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| **target.name** | **application.name** | **application.version** |

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| **result.result\_id** | **exploit.exploit\_id** | **result.date\_created** |
| **target.name** | **user.user\_id** |  |

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| --- | --- | --- |
| **exploit.exploit\_id** | **application.name** | **exploit\_code** |
| **date\_created** | **date\_modified** | **min\_affected\_version** |
| **max\_affected\_version** | **vulnerability.name** | **user.user\_id** |

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| --- | --- | --- |
| **exploit.exploit\_id** | **os.name** | **exploit\_code** |
| **date\_created** | **date\_modified** | **min\_affected\_version** |
| **max\_affected\_version** | **vulnerability.name** | **user.user\_id** |

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| --- | --- | --- |
| **exploit.exploit\_id** | **architecture.name** | **exploit\_code** |
| **date\_created** | **date\_modified** | **vulnerability.name** |
| **user.user\_id** |  |  |

3rd Normal Form

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| --- | --- |
| **user.user\_id** | **user.password** |

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| --- | --- |
| **forum.topic** |  |

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| --- | --- | --- |
| **thread.title** | **forum.topic** | **thread.date\_created** |
| **thread.date\_modified** | **user.user\_id** |  |

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| **post.title** | **thread.title** | **post.text** |
| **post.date\_created** | **post.date\_modified** | **user.user\_id** |

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| **user.user\_id** | **exploit.exploit\_id** | **rating.date\_created** |
| **rating.score** |  |  |

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| --- | --- | --- |
| **vulnerability.name** | **vulnerability.cve** | **vulnerability.desc** |
| **vulnerability.severity** | **vulnerablity.date\_created** | **vulnerability.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **application.name** | **application.date\_created** | **application.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **os.name** | **os.date\_created** | **os.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **architecture.name** | **architecture.date\_created** | **architecture.date\_modified** |
| **user.user\_id** |  |  |

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| --- | --- | --- |
| **target.name** | **target.date\_created** | **target.date\_modified** |
| **os.name** | **os.version** | **architecture.name** |
| **user.user\_id** |  |  |

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| **target.name** | **application.name** | **application.version** |

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| **result.result\_id** | **exploit.exploit\_id** | **result.date\_created** |
| **target.name** | **user.user\_id** |  |

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| **exploit.exploit\_id** | **exploit\_code** | **date\_created** |
| **date\_modified** | **vulnerability.name** | **user.user\_id** |

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| **exploit.exploit\_id** | **application.name** | **min\_affected\_version** |
| **max\_affected\_version** |  |  |

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| --- | --- | --- |
| **exploit.exploit\_id** | **os.name** | **min\_affected\_version** |
| **max\_affected\_version** |  |  |

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| --- | --- |
| **exploit.exploit\_id** | **architecture.name** |