

## 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

## 1<sup>st</sup> Normal Form

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<u>user.user_id</u>	user.password
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<u>forum.topic</u>	<u>thread.title</u>	<u>post.title</u>
thread.date_created	thread.date_modified	post.text
post.date_created	post.date_modified	user.user_id

<u>user.user_id</u>	<u>exploit.exploit_id</u>	rating.date_created
rating.score		

<u>vulnerability.name</u>	vulnerability.cve	vulnerability.desc
vulnerability.severity	vulnerability.date_created	vulnerability.date_modified
user.user_id		

<u>application.name</u>	application.date_created	application.date_modified
user.user_id		

<u>os.name</u>	os.date_created	os.date_modified
user.user_id		

<u>architecture.name</u>	architecture.date_created	architecture.date_modified
user.user_id		

<u>target.name</u>	<u>application.name</u>	target.date_created
target.date_modified	os.name	os.version
architecture.name	application.version	user.user_id

<u>result.result_id</u>	<u>exploit.exploit_id</u>	result.date_created
target.name	user.user_id	

<u>exploit.exploit_id</u>	<u>application.name</u>	<u>os.name</u>
<u>architecture.name</u>	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		

## 2<sup>nd</sup> Normal Form

<u>user.user_id</u>	user.password
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<u>forum.topic</u>	<u>thread.title</u>	<u>post.title</u>
thread.date_created	thread.date_modified	post.text
post.date_created	post.date_modified	user.user_id

<u>user.user_id</u>	<u>exploit.exploit_id</u>	rating.date_created
rating.score		

<u>vulnerability.name</u>	vulnerability.cve	vulnerability.desc
vulnerability.severity	vulnerability.date_created	vulnerability.date_modified
user.user_id		

<u>application.name</u>	application.date_created	application.date_modified
user.user_id		

<u>os.name</u>	os.date_created	os.date_modified
user.user_id		

<u>architecture.name</u>	architecture.date_created	architecture.date_modified
user.user_id		

<u>target.name</u>	target.date_created	target.date_modified
os.name	os.version	architecture.name
user.user_id		

<u>target.name</u>	<u>application.name</u>	application.version
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<u>result.result_id</u>	<u>exploit.exploit_id</u>	result.date_created
target.name	user.user_id	

<u>exploit.exploit_id</u>	<u>application.name</u>	exploit_code
date_created	date_modified	min_affected_version
max_affected_version	vulnerability.name	user.user_id

<u>exploit.exploit_id</u>	<u>os.name</u>	exploit_code
date_created	date_modified	min_affected_version
max_affected_version	vulnerability.name	user.user_id

<u>exploit.exploit_id</u>	<u>architecture.name</u>	exploit_code
date_created	date_modified	vulnerability.name
user.user_id		

### 3<sup>rd</sup> Normal Form

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<u>user.user_id</u>	user.password
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<u>forum.topic</u>
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<u>thread.title</u>	<u>forum.topic</u>	thread.date_created
thread.date_modified	user.user_id	

<u>post.title</u>	<u>thread.title</u>	post.text
post.date_created	post.date_modified	user.user_id

<u>user.user_id</u>	<u>exploit.exploit_id</u>	rating.date_created
rating.score		

<u>vulnerability.name</u>	vulnerability.cve	vulnerability.desc
vulnerability.severity	vulnerability.date_created	vulnerability.date_modified
user.user_id		

<u>application.name</u>	application.date_created	application.date_modified
user.user_id		

<u>os.name</u>	os.date_created	os.date_modified
user.user_id		

<u>architecture.name</u>	architecture.date_created	architecture.date_modified
user.user_id		

<u>target.name</u>	target.date_created	target.date_modified
os.name	os.version	architecture.name
user.user_id		

<u>target.name</u>	<u>application.name</u>	application.version
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<u>result.result_id</u>	<u>exploit.exploit_id</u>	result.date_created
target.name	user.user_id	

<u>exploit.exploit_id</u>	exploit_code	date_created
date_modified	vulnerability.name	user.user_id

<u>exploit.exploit_id</u>	<u>application.name</u>	min_affected_version
max_affected_version		

<u>exploit.exploit_id</u>	<u>os.name</u>	min_affected_version
max_affected_version		

<u>exploit.exploit_id</u>	<u>architecture.name</u>
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