

Understanding Risk Exposure

The organization's exposure to and loss expectancy from a single risk is important information.

Values specified in the likelihood and exposure fields drive the security risk scores in the application. RiskVision calculates overall risk based in part on single loss expectancy from a given risk. Risks can also be excluded from the Adjusted Risk Score.

Exposure values for Confidentiality, Integrity, and Availability (CIA) assess the impact of a risk. Likelihood specified the probability of a risk occurring. The overall risk score is calculated as likelihood x impact.

To specify a risk's exposure, likelihood, and loss expectancy:

1. In the RiskVision Application application, go to **Content > Risks**.
2. Open the desired risk in the tree on the left.
3. Click the **Exposure** tab, then click **Edit**.

The Edit Risk Exposure page.

4. Enter the following parameters:

Parameter	Description
Exposure	
Confidentiality	Risk of loss of confidentiality, 0 = no risk to 10 = maximum risk
Integrity	Risk of loss of data integrity, 0 = no risk to 10 = maximum risk
Availability	Risk of loss of availability of data, 0 =no risk to 10 = maximum risk
Likelihood	
Likelihood	Likelihood that this risk will affect the organization, 0 = extremely unlikely to 10 = certain
Annualized Rate of Occurrence (FRO)	How often is the vulnerability likely to be exploited in a year
Single Loss Expectancy	
Availability Cost	Cost in dollars, of not having the data available
Business Value	Affect in hours, on business operations
Database Corruption Cost	Cost, in dollars, of losing data integrity

Hardware Cost	Cost, in dollars, of new hardware and equipment
Replacement Cost	Cost, in dollars, of new software
Single Record Confidentiality Cost	Cost, in dollars, of loss of confidentiality for a single record (to be multiplied by the number of records)
System Confidentiality Cost	Cost, in dollars, of loss of confidentiality for the system as a whole
Calculation Parameters	
Exclude from Adjusted Risk Score	Yes to exclude this risk's exposure and likelihood from the overall risk score
Multiply by the number of users	Click yes to multiply loss expectancy number by the number of users affected

5. Click **Save**.