# 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**.