

# what-is-cwe.html

```
{% extends "base.html" %}
{% block head %}
<style>
/* Custom scrollbar styling for dark theme */
.cwe-list-scroll {
    max-height: 550px;
    overflow-y: auto;
    list-style: none;
    padding: 0;
    margin: 0;
}

/* Webkit browsers (Chrome, Safari, Edge) */
.cwe-list-scroll::-webkit-scrollbar {
    width: 8px;
}

.cwe-list-scroll::-webkit-scrollbar-track {
    background: #1a2236;
    border-radius: 4px;
}

.cwe-list-scroll::-webkit-scrollbar-thumb {
    background: #63a4ff;
    border-radius: 4px;
    border: 1px solid #263159;
}

.cwe-list-scroll::-webkit-scrollbar-thumb:hover {
    background: #5292e6;
}

.cwe-list-scroll::-webkit-scrollbar-thumb:active {
    background: #4a80cc;
}

/* Firefox */
.cwe-list-scroll {
    scrollbar-width: thin;
    scrollbar-color: #63a4ff #1a2236;
}
```

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/* CWE list item styling */
.cwe-list-item {
    padding: 8px 24px;
    cursor: pointer;
    font-weight: 500;
    color: #e3e7f2;
    user-select: none;
    border-left: 4px solid transparent;
    transition: background 0.13s, border-left 0.13s, color 0.13s;
}

.cwe-list-item:hover {
    background: #212d46;
    color: #ffffff;
}

.cwe-list-item.selected {
    background: #212d46;
    border-left: 4px solid #63a4ff;
    color: #63a4ff;
}

.cwe-code {
    color: #94a3b8;
    font-size: 0.9em;
}

/* Enhanced button styling */
.toggle-button {
    margin: 16px 0 0 24px;
    background: #263159;
    color: #63a4ff;
    padding: 8px 18px;
    border-radius: 8px;
    border: none;
    cursor: pointer;
    font-weight: 600;
    font-size: 0.97em;
    transition: background 0.2s, transform 0.1s;
}

.toggle-button:hover {
    background: #2d3d6b;
    transform: translateY(-1px);
}
```



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<div style="color:#94a3b8; font-size:0.98em; margin-bottom:9px;">
<span>Showing data from <b>{% if key_cwes|length > 0 %}recent cache/fallback{%
else %}demo fallback{% endif %}</b>. Click any CWE below for live MITRE data.
</span>
</div>
<div style="display:flex;align-items:center; justify-content:space-between;
margin-bottom:18px;">
<label style="color:#e2e8f0;font-size:1.07em; font-weight:600;">
Show:
<select id="cweSeverityFilter"
style="background:#232b45;color:#63a4ff;padding:7px 14px;border-
radius:6px;border:none;margin-left:7px;">
<option value="10" selected>Top 10 CWEs</option>
<option value="5">Top 5 CWEs</option>
</select>
</label>
</div>
<div style="max-width:1400PX;width:100%;overflow-x:auto;">
{% if cwe_severity.labels|length > 0 %}
<canvas id="cwesBySeverityChart" width="700" height="235"></canvas>
{% else %}
<div style="color:#f47174;text-align:center;padding:30px 0;">
No CWE data available in the catalog. (Check that CWE_Catalog.xml exists, or
fallback data is used.)
</div>
{% endif %}
</div>
</div>
<script>
document.addEventListener('DOMContentLoaded', function(){
function goToVulnsForCWE(idx) {
const cwe_key = window.cweSeverityData.indices[idx];
if (cwe_key) {
window.location.href = "/vulnerabilities?q=" +
encodeURIComponent(cwe_key);
}
}
function renderChart(topN) {
const data = window.cweSeverityData.data || {};
const labels = window.cweSeverityData.labels.slice(0, topN);
const chartData = {
labels: labels,
datasets: [
{label:'Critical', data: data.CRITICAL.slice(0, topN),
backgroundColor:'#f55855'},
{label:'High', data: data.HIGH.slice(0, topN),

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    backgroundColor: '#f8a541'},
    {label: 'Medium', data: data.MEDIUM.slice(0, topN),
    backgroundColor: '#3b8ded'},
    {label: 'Low', data: data.LOW.slice(0, topN),
    backgroundColor: '#42d392'}
  ]
};
if (window.cwesSeverityChart) {
  window.cwesSeverityChart.destroy();
}
window.cwesSeverityChart = new
Chart(document.getElementById('cwesBySeverityChart').getContext('2d'), {
  type: 'bar',
  data: chartData,
  options: {
    responsive: true,
    maintainAspectRatio: false,
    plugins: {
      legend: {display: true, position: "bottom"},
      title: {display: true, text: `CWEs by Severity - Top ${topN}`}
    },
    scales: {
      x: {stacked: true, ticks: {color: '#cdd7ff', font: {size: 11}}},
      y: {stacked: true, beginAtZero: true, ticks: {color: '#cdd7ff'}}
    },
    onClick: (evt, activeEls) => {
      if (activeEls && activeEls.length > 0) {
        goToVulnsForCWE(activeEls[0].index);
      }
    }
  });
document.getElementById('cwesBySeverityChart').onclick = function(evt) {
  const points =
  window.cwesSeverityChart.getElementsAtEventForMode(evt, 'nearest',
  {intersect: true}, true);
  if (points && points.length) {
    goToVulnsForCWE(points[0].index);
  }
};
}
window.cweSeverityData = {{ cwe_severity|tojson }};
renderChart(10); // Default to Top 10
document.getElementById('cweSeverityFilter').addEventListener('change',
function(){
  renderChart(parseInt(this.value, 10));
});

```



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<div style="margin-top: 12px; font-size: 0.9em;">Click any CWE from the list
to see detailed information, mitigations, examples, and relationships.</div>
</div>
{% endif %}
</div>
</section>
</div>
<script>
window.learnCweDict = {{ cwe_dict|tojson }};
window.key_cwes = {{ key_cwes|tojson }};
window.key_cwe_titles = {{ key_cwe_titles|tojson }};
</script>
<script src="{{ url_for('static', filename='js/learn.js') }}"></script>
</div>

<div style="text-align:center; margin:2.5em 0 1em 0;">
  <a href="{{ url_for('index') }}" style="color:#63a4ff; padding:0.8em 2em;
border-radius:6px; font-weight:600; text-decoration:none;">
    ← Back to Dashboard
  </a>
</div>

{% endblock %}

```