

<text><list-item><list-item><list-item><list-item>      Optimization (inspecting messages)       9. Negating encodes individus       0. Seasages       0. Noticutes encode caldet       0. Seasages       0. Seasage</list-item></list-item></list-item></list-item></text>	<text><list-item><list-item><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></list-item></list-item></text>	<ul> <li>Evaluation (use cases)</li> <li>Water Plant (synthetic)</li> <li>Detected man in the middle attack</li> <li>Used [Line chart, histograms, pixel map]</li> <li>University (real logs)</li> <li>Detected a user remotely installing software</li> <li>Used [heatmap, manual filtering, conversation topology]</li> </ul>	Time for a demo video ?? Ink
What       Why       How         • messages and alerts from IDS       • Attack detection       • High level heat maps, and line charts to detect patterns         • Communication graph       • Moves selection, and queries to facet data       • News selection, and queries to facet data	<ul> <li><b>Distributions</b></li> <li>Histograms don't scale well if the number of attributes are high.</li> <li>Unuber of visible attributes is constrained by the number of histograms.</li> <li>Requires an IDS that supports interactive learning</li> </ul>	<section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header></section-header>	Conclusion • CoNTA provides an interactive attack detection framework • Helps experts translate high level phenomenon to packet attributes • Has a very nice selection interface
Questions ???			