

<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>	 Evaluation (use cases) Water Plant (synthetic) Detected man in the middle attack Used [Line chart, histograms, pixel map] University (real logs) Detected a user remotely installing software Used [heatmap, manual filtering, conversation topology] 	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	 Distributions Histograms don't scale well if the number of attributes are high. Unuber of visible attributes is constrained by the number of histograms. Requires an IDS that supports interactive learning 	<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 ???			