Creating and Managing an Incident Response Team for a Large Company

Timothy Proffitt
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GCIH Gold Certification

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Accepted:
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1) Incident Response Team Basics

a) Introduction

The computer security incident response team’s (C.S.I.R.T.) function is to react in a timely fashion, to intrusions, types of theft, denial of service attacks and many other events that have yet be to executed or considered against their company. The CSIRT will be responsible for investigating and reporting on malicious insider activity, internet spam, human resource violations and copyright infringements.

The CSIRT will typically be called into action by a notification or triggered event but can also be called into action by a discovery while performing one of many passive services. Call Centers, Help Desks, business unit liaisons, legal representatives, email notifications or anonymous forms from an Intranet will all be entry points into calling the CSIRT into action.

b) CSIRT Services

CSIRT serve several purposes. In addition to identifying, containing and eradicating a successful intrusion, the CSIRT will educate, communicate, execute vulnerability assessment, shape policy and more.

i) Passive Services
There are several passive services that the CSIRT will perform to provide the company aide protecting its information systems in anticipation of future malicious activity.

Vulnerability Assessment

The CISRT will perform vulnerability assessment against company assets. The CSIRT will verify reported vulnerabilities and how they can be exploited. The vulnerability assessment service can help the business to identify infrastructure that is a high risk and can also provide data on a system that has had incident response procedures executed against it. The vulnerability assessment service will help identify when the recovery phase of an incident response effort has mitigated the intrusion. Maintaining current vulnerability assessment data for the company’s high risk systems can better mitigate the security threats to the company.

Announcements and Information Disclosure

The announcement function is used to notify business units of potential threats to information systems, external virus outbreaks that can affect the infrastructure and new compliance objectives. The CSIRT will monitor technical developments and trends to help identify attack vectors. The announcement service will provide guidance to the business to aide in mitigating security threats before they happen.
In some cases, when investigating an intrusion, a disclosure of sensitive information will be uncovered. In the case of medical information (ePHI) or identity theft data loss, the CISRT will perform defined disclosure procedures. Depending on what data was exposed and which state the personally identifiable information owner resides in, the disclosure notification procedures will vary. Disclosure procedures will involve crafting notification letters, obtaining identity theft protection services for the effected parties, working with corporate communications to deal with the media, and potentially providing law enforcement evidence of the intrusion.

Intrusion Detection Service

The intrusion detection service is conducted by the monitoring efforts of the CSIRT. In some cases the security group and the CSIRT will be separate teams and monitoring of IDS and IPS technologies may be shared. In these cases, alerting on intrusion information will be passed up to the CSIRT for incident handling. The intrusion detection service typically monitors intrusion detection equipment, intrusion prevention equipment, security event manager logs and performs periodic intrusion discovery procedures. When an event of interest is identified, the CSIRT will move into its active services mode.

ii) Active Services
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There are several services that the CSIRT will perform during an incident. The active services are typically what is expected of a CSIRT and are designed to contain, eradicate, recover, and report on an incident.

Incident Handling

Incident handling involves analyzing the incidents and events. Incident handling’s goal is to identify the scope of the incident, document the damage caused, and provide available response tactics. Incident handling typically involves incident analysis, evidence collection, tracking the origins of the intruder, response support for the victim(s) of the attack and coordination among other IRT, administrators and service providers.

Vulnerability Handling

Vulnerability handling involves gathering data around operating system and application vulnerabilities. The CSIRT will perform assessments against hardware and software to verify suspected vulnerabilities and help determine how the vulnerabilities can be exploited. The service will aide in determining the proper response to repair a vulnerability and can notify others about the mitigating strategy.

Evidence Handling

Evidence can be defined as any object found on an information system that could be involved in attacking the system or other systems around it. These can be computer viruses but also include exploit scripts, toolkits, log files, or even hardware devices such as physical key loggers.

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Lessons Learned Reporting

The reporting service primary goal is to document what happened and how the business can improve its’ defenses. The CSIRT will conduct a “lessons learned” or a post mortem meeting to discuss the incident and educate the management team. Incident Reporting is beginning to become an auditable event for external auditors to test against.

iii) Management Services

Awareness Training

Awareness training can be a service offered by the CSIRT. Since the CSIRT is typically conducting in depth investigations and vulnerability assessments against the businesses information assets, then next logical step is for the CSIRT to educate the technology teams about good security practices pertaining to the information systems that are being administered.

CSIRT will also seek opportunities to build awareness of the user base through newsletters, announcements, lessons learned, marketing campaigns, and websites.

Risk Assessments

The CSIRT can have important insight into risk assessments. When the business conducts a risk assessment to bring on a new technology or application, a member of the CSIRT should be a participant in the effort. The experience of the CSIRT members will help identify risk points, potential vulnerabilities, and threats.
Compliancy Certifications

The CSIRT can also perform compliancy certifications. The team can conduct security evaluations on information systems or services to ensure the security or the pass / fail of a compliance regulation. The team can be used to provide guidance on best practices and recommendations for purchasing, installing or securing new systems.

c) CSIRT Policies and Standards

Policies are documented principles adopted by the management team. The policies of an organization should be clearly understood by the entire workforce and the knowledge of the incident response policy will allow the CSIRT to act on their responsibilities.

i) Incident Response Policy

Building an incident response policy involves several objectives.

First, an Incident Response Policy cannot be enforced unless it has management approval. Endorsement by management is critical. Without this approval the team will be destined to encounter business road bocks that will hinder a timely incident response. In some cases, it may not even be allowed.

Second, the policy must be clear. Any employee should be able to easily understand what the policy is about. If a non-technology oriented employee is confused by the policy, then the policy should be rewritten.
Third, the policy must be to the point. A long-winded policy will either be a bad policy or one that would include sections that should be in a procedure document instead.

Forth, the policy must be usable and implementable. Avoid statements that sound appropriate but will be open to interpretation. At the same time, the policy should not include objectives that the CSIRT will not be able to execute due to business processes or corporate culture.

Once the policy as been created, it is important to make regular checks against its effect on the workforce. When changes occur in the business direction or new technology systems are implemented, update the policy to match the new processes.

ii) Incident Response Standards and Procedures

A successful CSIRT is a team that has documented standards and procedures. Standards should be written from how the CSIRT will begin its investigations and report the findings to standards written for how the CSIRT will be trained and what authority the members will be granted.

A good standard will define when the CSIRT will contain and clean up incidents and when the team will watch and gather information for litigation.

Having good recovery procedures are essential. It is very rare to find a CSIRT member that has mastered every operating system and application in
your environment. Having procedures to follow on how to correctly down and restore a system can help prevent time consuming efforts and alleviate some of the stress of the incident.

These written procedures will aide the CSIRT in formalizing how investigations are carried out, how evidence is handled, what organizations are notified at what times, how post mortem reporting is conducted, how malicious software is to be eradicated and how to perform a recovery of a information system.

iii) Code of Conduct

The code of conduct policy for the CSIRT is a set of rules outlining how a team member will behave in a way that supports the goals of the incident response team and the mission statement of the company. The code of conduct will be used when no other policy or procedure applies. It should reflect the natural behavior of a professional incident handler. An example of a CSIRT code of conduct policy was written by the original manager of the CERT, Rich Pethia.

iv) Disclosure Policy

It is important to define the CSIRT disclosure policy. Without the policy, the team will have no guidance on who to disclose to, what to disclose and when to disclose the information. Traditionally, CSIRT staff treated all

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1 CERT Coordination Center. .
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information reported to them as confidential and information around security incidents were not distributed to other organizations. In some cases, law enforcement or other response teams were included when coordinating the response to the incident.

The policy should outline the information disclosure restrictions placed on the CSIRT staff. What will be reported to law enforcement? If the incident involved the disclosure of personally identifiable information, when do you disclose to the affected individuals? Personal information includes, but is not limited to, information regarding a person’s home or other personal address, driver’s license, marital status, financial information, credit card numbers, bank accounts, parental status, sex, race, religion, political affiliation, personal assets, home or other personal phone numbers, and so on. Did the incident involve the disclosure of electronically protected healthcare information as defined in HIPAA?² Did the incident involve social security numbers? If the CSIRT is to engage law enforcement, can the business afford to have equipment confiscated?

The disclosure policy will specify (sometimes legal) limitations that outlines how or when law enforcement is notified, customers are notified, external CSIRTs and upper management.

There are very clear state laws in the United States that outline when companies must notify individuals that their personal information has been disclosed by unauthorized events. At least 35 states, as of Q1 2007, have

² http://hipaa.yale.edu/guidance/index.html
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enacted legislation requiring companies and government agencies to disclose security breaches involving personal information\(^3\).

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<thead>
<tr>
<th>State</th>
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<tr>
<td>Arizona</td>
<td>Ariz. Rev. Stat. § 44-7501</td>
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<td>Florida</td>
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<td>Georgia</td>
<td>Ga. Code § 10-1-910 et seq.</td>
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<td>Idaho</td>
<td>Id. Code §§ 28-51-104 to 28-51-107</td>
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<td>Illinois</td>
<td>815 Ill. Comp. Stat. § 530/1 et seq.</td>
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<td>Indiana</td>
<td>Ind. Code § 24-4.9</td>
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<td>Kansas</td>
<td>50-7a01, 50-7a02 2006 S.B. 196,</td>
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<td>Michigan</td>
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<td>Minnesota</td>
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<td>N.H. RS 359-C:19 et seq.</td>
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<td>New Jersey</td>
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<td>New York</td>
<td>N.Y. Bus. Law § 899-aa</td>
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<td>North Carolina</td>
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<td>Tennessee</td>
<td>Tenn. Code § 47-18-2107</td>
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\(^3\) http://www.ncsl.org/programs/lis/cip/priv/breachlaws.htm
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Timing of a disclosure event is imperative. It is important to perform incident investigations and be as certain as possible about the disclosure events. At the same time the CSIRT should be notifying the victims as soon as possible. If the duration between the identification and the notification are too great, the company can face litigation and even greater loss of public opinion.\(^4\) It is imperative that the CSIRT utilize legal council when drafting a disclosure communication to anyone as this notification can have enormous consequences to the company’s reputation.

**Disclosure Procedures to External CSIRT**

There will be times where the company CSIRT will want to notify external CSIRT such as the CERT/CC, FIRST\(^5\), or private Managed Security Solutions Partners (MSSP). To be successful, it is important that coordination occurs among law enforcement, National CSIRTs and the research community who have experience in responding to security incidents. External CSIRTs can play an important role by helping their constituents protect their systems, detect, identify, and analyze compromises to the security of those systems and effectively coordinate the response to the attack. External CSIRT teams

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\(^4\) [http://www.privacyrights.org/ar/ChronDataBreaches.htm](http://www.privacyrights.org/ar/ChronDataBreaches.htm)

\(^5\) [http://www.first.org/members/teams/](http://www.first.org/members/teams/)

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can also be evangelists in promoting and helping other organizations build effective incident management capabilities.

The details for sharing of information will change depending on the incident and how the external CSIRT will benefit from the information. Information is typically disclosed to:

- Inform other CSIRT of a large attack.
- Inform other teams about a new vulnerability or attack vector.
- Contact other sites that are the target of an incident to help coordinate the remediation.

Procedures should be clearly written for the internal CSIRT to follow when submitting an incident outside the organization. When reporting intruder activity, it is important to ensure that you provide enough information for the external CSIRT to be able to understand and respond to your report, but still filter any information that would be considered sensitive to the company.

v) Evidence Handling Procedures

During the CSIRT’s active services, it is important to track information pertaining to the incident. This tracking of information should be at a level of detail that can be useful for recalling the event years later. Handling procedures should record information in logical organized methods to provide historical records and actions taken by the team. In many cases, this information can be used for statistical reporting purposes in management.
For every incident, best practices capture and track, at a minimum, the following set of information:

- Local Tracking Number / External CSIRT Tracking Number
- Category of Incident
  - Disclosure, Hacking Attempt, Worm Outbreak, Malicious Insider, etc.
- Brief Description
- Contacts for all Parties Involved
- Subjective Priority
  - Critical, High, Medium, Low, Informational
- Evidence Gathered
  - who, what, where, why, how, when
- History of Actions
  - Record all actions by the team. This will be important if litigation is an optional outcome.
- Current Status of the Incident
  - Active, On Hold, Complete, etc.

CSIRT should utilize electronic collaboration tools such as a Microsoft SharePoint Server. Team members should have a single point to deposit, search, and update data on incident activities. Additionally, incidents should be archived for some predetermined period of time, using the collaboration tool. The SharePoint tool allows for a repository of electronic data, online workflow capabilities, versioning, automatic alerting and very flexible role
based access for team members and additional stake holders outside the team.

Physical evidence should be maintained in a designated “war room”. An empty office or conference room can be converted into a CSIRT war room with the understanding that the team will have sole access to a physically secured room. Locking cabinets for hard drives, tapes, and notes on tracking of the equipment are a must.

2) Primary Phases of the CSIRT

The functions that the CSIRT perform during active services are going to be considered the heart of the CSIRT mission. These primary functions are preparation, identification, containment, eradication, recovery, and lessons learned.

a) Identification

How does the company detect an event? What triggers the CSIRT into action? The answer for most is a mixed one.

- Technology departments deploy intrusion prevention sensors, monitor firewall logs, review honeypot activity\(^6\), analyze antivirus alerts, review vulnerability assessment reports, examine authentication events, etc.

\(^6\) [http://www.honeynet.org](http://www.honeynet.org) is a popular open source honeypot project

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Business units will typically educate and raise awareness about security
risks to make the workforce use their eyes and ears to identify
suspicious activity.

When either of these groups detects an event, the CSIRT should be
notified.

i) Triage Role

The goal of the triage role is to ensure that information about an event
is gathered from a single point of contact. The triage role is the primary
contact for the CSIRT for the business. Contacted by email, fax, telephone,
amnous form, or hallway conversation, the triage role will kick off the
incident procedures by calling into action the correct team members to start
the investigation.

The company should be trained on how to report information to the
CSIRT. The triage role should be clearly defined, contact methods should be
easily accessible, simple and defined procedures for reporting and clear
guidelines on types of events to be reported.

ii) Identification Tasks

The CSIRT should have a member of the management team as its
sponsor. This is typically the CSO, CIO or VP over the technology
department. Notify your sponsor that an investigation has started. If
additional resources are needed outside the CSIRT, the sponsor will help with obtaining what is needed.

It is in the identification function that a primary incident handler should be assigned. The responsibility of the primary handler is to ensure coordination, documentation, and communication with the CSIRT and any other departments or organizations directly involved. The primary handler will be responsible for the quality of the incident handling procedures for the assigned event.

The information gathered in this identification phase is critical. The first goal of the team is to determine whether the incident reported is actually an incident. The team will be asking assessment questions such as, what are the affected systems, if a vulnerability is present, the value of the system to the business (i.e. mission critical), can the vulnerability be exploited remotely, was this incident user error, was data exposed to unauthorized individuals, does this incident affect companies outside our own?

Be sure to establish good chain of custody scenarios. Document the “who, what, where, when”, whenever possible. Each piece of evidence must be under the control of a CSIRT member at all times and document the storage of evidence if it is secured. The chain of custody will be important for law enforcement if the evidence is going to be used in litigation.

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7 See appendix for law enforcement contact information
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b) Containment

The containment function is designed to prevent the attack from affecting systems, people, or organizations any more than it has already. The CSIRT is now trying to keep the scenario from getting worse.

A decision must be made when entering the containment phase. If evidence collected is going to be used for litigation, care must be taken to keep the system(s) from becoming contaminated by the containment efforts. Drives should be imaged, back ups performed, original copies secured, etc. Always use a backup or a copy to perform the incident handling procedures.

The CISRT should perform multiple backups as soon as it is practical. The backups can be used for forensics or in the off chance that containment procedures render the system(s) inoperable. In most cases, original media will be cataloged and secured, while a backup copy will be used to restore the system for eradication and recovery.

The containment phase can involve many tasks: Patching systems, password changes, firewall rule changes, account management, stopping of services and RootKit / Antivirus system scans. On the employee side the CSIRT may place phone calls to halt a business process, obtain paper materials or printouts that contain false information or send a corporate wide communication to alert the workforce.
c) Eradication

The eradication phase involves the removal of any malicious activity or artifacts left by the intrusion. Typically eradication engages in removing virus infections, backdoor software, data left by the intruder and uninstalling attack tools. If the system was hit with any flavor of a rootkit, formatting hard drives, reloading the system, patching and restoration from backup is highly recommended.

Vulnerability assessment and analysis is typically performed during the eradication phase. Initiating system and network level vulnerability scans will help the team find open vulnerabilities. In many cases, attackers often use the same vulnerability across the entire network. A quality scanner such as Qualys\(^8\) or Foundscan can go a long way in providing your CSIRT will vulnerability data. The CSIRT should research the vulnerability against the known information repositories such as CERT or BugTraq to understand the impact of the exploit against the company.

Improving the defenses of the systems or business process affected is vital. New firewall rules, host based intrusion prevention technologies, upgrades to more secure applications and patching are good techniques for improving the defenses. If the vulnerability is not removed, the system can become compromised all over. Business process can be strengthened by objectives such as implementing least access principles, encryption mechanisms and social engineering awareness.

d) Recovery

The recovery phase is used to bring the restored system(s) back into production. Recovery will typically take place, according to the system owner, after business unit testing has been conducted.

Monitoring is an important objective during this phase. When the incident system(s) are brought back into production use, monitoring must be conducted to validate the eradication was successful. Auditing the operating system logs, intrusion detection or prevention logs, checking for backdoor ports, reviewing firewall logs and searching for any new vulnerabilities are standard procedures.

e) Lessons Learned

The best way to improve on a company’s defense is to learn from the mistakes made. The goal of the lessons learned reporting is to finalize the CSIRT documentation, and create a post mortem report for review. In most cases, a meeting is scheduled within a week to review the report. The report should focus on events leading up to the incident, generally what occurred, what was done to contain and eradicate, and what can be done to mitigate the vulnerability in the future. The reporting phase is a good time to note organizational problems that conflicted with the CSIRT’s procedures and suggest improvements. Invite the correct management, stake holders and information technology individuals to better expose the CSIRT’s efforts. The
lessons learned meetings can be a good place to obtain approval to fix business processes, obtain newer technologies, update incident handling procedures and to educate the business.

It is important to have the CSIRT members involved in the incident complete the lessons learned documentation as close to completing the incident as possible. These post mortem reports should be short but professional and designed for executive consumption.

3) CSIRT Membership

Outsiders may view the CSIRT as a team of highly educated technologists. Although technical experience is a good prerequisite, there are several attributes that are needed for a successful incident team. It is important for the company’s management team to understand the needs of the CSIRT. Specific incident response training, paid time off, and membership buy in from across the company are several topics that will need to be agreed upon.

a) CSIRT Staff

One of the challenging facets of building a successful incident response team is to employ a multifaceted team. A typical team will have the following schema:

– Primary Members
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- Technology Security Specialists
- System Administrators
- Network Engineers
- Desktop Support Specialists
- Disaster Recovery Coordinators

  Secondary Members
  - Inside Legal Council
  - Corporate HR Specialist
  - Corporate Communication Specialist
  - Physical Security or Facilities Coordinator
  - Management Team Sponsor

Geographically diverse companies will need to work out the combination of remote handlers with a centralized team. The primary members will be the core of the CSIRT and will work the majority of the smaller incidents. The secondary members will be expected to join the CSIRT when an event requires their expertise. A hoax email virus infection will not require the secondary members to be called into action, but payroll laptops going missing will no doubt call the entire team into action.

Interpersonal Skills

Having a wide range of skills is a high priority, but communication skills will greatly improve the reputation of the team. You may find expert security engineers that would seem to be a fit in the CSIRT except for a lack of interpersonal skills. The team members should have common sense, exhibit
effective oral and written communication skills, show diplomacy when dealing with external groups, have the ability to follow standards and procedures, show integrity and have the willingness to continue their education.

Technical Skills

Technical skills will be important for a successful CSIRT. The primary members of the team will need to have a good amount of experience in their individual fields to effectively handle a security incident. Senior network engineers, senior system administrators, and senior security specialists will be good candidates for membership. The technical understanding provided by the experienced primary members will be needed for the large variety of incident scenarios that will be investigated.

b) CSIRT Training

Training of the CSIRT is important. Training will increase the skills of the team as new technologies are available, keep the team practiced, and educate the newest members.

Training should focus not only on forensic analysis and eradication techniques, but other general skills in communication, project management, evidence handling, team building, intruder techniques, compliancy laws, privacy laws and ethics. The team should be periodically evaluated to determine ways to expand the skills that would increase the competency of the CSIRT.

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Technical skills such as, but not limited to, firewall technologies, router and switch infrastructures, TCP/IP, Operating system installation and hardening, security event manager concepts, intrusion prevention technologies, vulnerability assessment techniques, wireless infrastructures, secure programming concepts, etc. should always be kept current.

New team members can be overwhelmed with the standards and procedures that they will be introduced to as an incident handler. In most cases, new CSIRT members will be paired with an experienced handler as a mentor. As the new team member becomes familiar with the roles of an incident handler, they can be used to draft communications, compose lessons learned reports for review, aide in research or work with evidence documentation.

c) Extensions of the CSIRT

A CSIRT, on occasion, may find that it will be unable to staff full time members. In these cases the CSIRT will need to develop good relationships with the subject matter experts needed when an incident is being investigated. The CSIRT policy can outline how outside employees can be called into service of the incident team when a set of criteria is met. You will see this situation more often for the human resources, legal council and physical facilities members. The management team should be clear on when the CSIRT can utilize these head count and what priority can be used. This standard
should be well established in advance so that these extended staff can be called into action quickly.

4) Conclusion

Using good communication skills, clear policies, professional team members and utilizing training opportunities, a company can run a successful incident response team. CSIRTs will continue to serve as an important component in supporting the management of risk and security in the business. By utilizing these passive and active phases of a CSIRT, the business will improve its security efforts across the enterprise and protect confidentiality, integrity and availability of its information systems.

5) References

CERT. Handbook for Computer Security Incident Response Teams (CSIRTs)

CERT. Defining Incident Management Processes for CSIRTs: A Work in Progress

SANS. Incident Handling Step-by-Step and Computer Crime Investigation: Book 1

National Conference of State Legislatures.
http://www.ncsl.org/programs/lis/cip/priv/breachlaws.htm

http://www.microsoft.com/technet/SolutionAccelerators

Federal Bureau of Investigation
http://www.fbi.gov/contact/fo/fo.htm
Appendix A

FBI & Secret Service FIELD OFFICES

**ALABAMA**

**Birmingham**
FBI 205.326.6166/205.715.0232
2121 8th Avenue N.
Birmingham, AL 35203-2396
USSS 205.731.1144/205.731.0007
Daniel Building
15 South 20th Street, Suite 1125
Birmingham, AL 35233

Mobile
FBI 334.438.3674/315.415.3235
One St. Louis Centre
1 St. Louis Street, 3rd Floor
Mobile, AL 36602-3930
USSS 334.441.5851/334.441.5250
Parkview Office Building
182 St. Francis Street
Mobile, AL 36602

Montgomery
USSS 334.223.7601/334.223.7523
Colonial Financial Center
1 Commerce Street, Suite 605
Montgomery, AL 36104

**ALASKA**

**Anchorage**
FBI 907.274.4441/907.265.9599
101 East Sixth Avenue
Anchorage, AK 99501-2524
USSS 907.271.5148/907.271.3727
Federal Building & U.S. Courthouse
222 West 7th Avenue, Room 559
Anchorage, AK 99513

**ARIZONA**

**Phoenix**
FBI 602.274.5511/602.650.3024
201 East Indianola Avenue, Suite 400
Phoenix, AZ 85012-2080
USSS 602.640.5580/602.640.5505
3200 North Central Avenue, Suite 1450
Phoenix, AZ 85012

Tucson
USSS 520.670.4730/520.670.4826
300 West Congress Street, Room 4-V
Tucson, AZ 85701

**ARKANSAS**

**Little Rock**
FBI 501.221.9100/501.228.8509
24 Shakleford West Boulevard
Little Rock, AR 72211-3755
USSS 501.324.6241/501.324.6097
111 Center Street, Suite 1700
Little Rock, AR 72201-4419

**CALIFORNIA**

**Fresno**
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5200 North Palm Avenue, Suite 207
Fresno, CA 93704

**Los Angeles**
FBI 310.473.7565/310.996.3359
Federal Office Building
11000 Wilshire Boulevard, Suite 1700
Los Angeles, CA 90024-3672
USSS 213.894.2480/213.894.2948
Roybal Federal Building
255 East Temple Street, 17th Floor
Los Angeles, CA 90012

**Sacramento**
FBI 916.481.9110/916.977.2300
4500 Orange Grove Avenue
Sacramento, CA 95841-4205
USSS 916.930.2130/916.930.2140
501 I Street, Suite 1700
Sacramento, CA 95814-2322

**San Francisco**
FBI 415.481.9110/415.977.2300
4500 Orange Grove Avenue
Sacramento, CA 95841-4205
USSS 415.930.2130/415.977.2140
501 I Street, Suite 9500
Sacramento, CA 95814-2322

**San Diego**
FBI 858.865.1258/858.499.7991
Federal Office Building
9797 Aero Drive
San Diego, CA 92123-1800
USSS 619.557.5640/619.557.6658
550 West C Street, Suite 660
San Diego, CA 92101

**COLORADO**

**Colorado Springs**
FBI 719.632.3325/719.632.3341
212 N. Wahsatch, Room 204
Colorado Springs, CO 80903

Denver
FBI 303.626.7171/303.628.3085
1961 Stout Street, 18th Floor
Denver, CO 80202-1823
USSS 303.866.1010/303.866.1934
1600 Lincoln Street
Denver, CO 80246

**CONNECTICUT**

**New Haven**
FBI 203.777.6311/203.503.5989
600 State Street
New Haven, CT 06511-6505
USSS 203.865.2449/203.865.2525
265 Church Street, Suite 1201
New Haven, CT 06510

**DELAWARE**

**Wilmington**
FBI 302.573.6188/302.573.6190
One Rodney Square
920 King Street, Suite 414
Wilmington, DE 19801

**DISTRICT OF COLUMBIA**

**Washington, D.C.**
FBI (HDQRS.)
202.278.2000/202.278.2478
601 4th Street NW
Washington, D.C. 20535-0002
1100 L Street NW, Suite 6000
Washington, D.C. 20005
USSS (HDQRS.)
950 H Street NW
Washington, D.C. 20223

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# Creating and Managing an Incident Response Team for a Large Company

<table>
<thead>
<tr>
<th>State</th>
<th>City</th>
<th>Address</th>
<th>Phone Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLORIDA</td>
<td>Jacksonville</td>
<td>FBI 904.721.1211/904.727.6242 7820 Arlington Expressway Jacksonville, FL 32211-7499</td>
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<tr>
<td></td>
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<td>USSS 904.296.0133/904.296.0188 7820 Arlington Expressway, Suite 500 Jacksonville, FL 32211</td>
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<td>Miami</td>
<td>FBI 305.944.9101/305.787.6538 16320 NW Second Avenue North Miami Beach, FL 33166-6508</td>
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<tr>
<td></td>
<td></td>
<td>USSS 305.629.1800/305.629.1830 8375 NW 53rd Street Miami, FL 33166</td>
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<td>Orlando</td>
<td>USSS 407.648.6333/407.648.6606 135 West Central Boulevard, Suite 67 Orlando, FL 32801</td>
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<td>Tallahassee</td>
<td>USSS 850.942.9523/850.942.9526 Building F 325 John Knox Road Tallahassee, FL 32303</td>
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<tr>
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<td>Tampa</td>
<td>FBI 813.273.4566/813.272.8019 Federal Office Building 500 Zack Street, Room 610 Tampa, FL 33602-3917</td>
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<td>USSS 813.228.2636/813.228.2618 501 East Folk Street, Room 1101 Tampa, FL 33602</td>
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<td>West Palm Beach</td>
<td>USSS 561.659.0184/561.655.8484 505 South Flagler Drive West Palm Beach, FL 33401</td>
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<tr>
<td>GEORGIA</td>
<td>Albany</td>
<td>USSS 229.430.8442/229.430.8441 Albany Tower 235 Roosevelt Avenue, Suite 221 Albany, GA 31702</td>
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</tr>
<tr>
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<td>Atlanta</td>
<td>FBI 404.679.9000/404.679.6289 2635 Century Parkway Northeast, Suite 400 Atlanta, GA 30345-3112</td>
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<tr>
<td></td>
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<td>USSS 404.331.6111/404.331.5058 401 West Peachtree Street, Suite 2906 Atlanta, GA 31702</td>
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<td>Savannah</td>
<td>USSS 912.652.4401/912.652.4062 33 Bull Street Savannah, GA 31401</td>
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<td>HAWAII</td>
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<td>FBI 808.566.4300/808.566.4470 Kalanianaole Federal Office Building 300 Ala Moana Boulevard, Room 4-230 Honolulu, HI 96850-0053</td>
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<td>Boise</td>
<td>USSS 208.334.1403/208.334.1289 Federal Building – U.S. Courthouse 550 West Port Street, Room 730 Boise, ID 83724-0001</td>
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<td>FBI 312.421.4310/312.786.2525 E.M. Dirksen Federal Office Building 219 South Dearborn Street, Room 905 Chicago, IL 60604-1702</td>
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<td>USSS 312.353.5431/312.353.1225 Gateway IV Building 300 S. Riverside Plaza, Suite 1200 North Chicago, IL 60606</td>
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<td>FBI 217.522.9675/217.535.4440 400 West Monroe Street, Suite 400 Springfield, IL 62704-1800</td>
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<td>Evansville</td>
<td>USSS 812.985.9502/812.985.9504 P.O. Box 530 Newburgh, IN 47630</td>
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<td>Indianapolis</td>
<td>FBI 317.639.3301/317.321.6193 Federal Office Building 575 N. Pennsylvania Street, Room 679 Indianapolis, IN 46204-1585</td>
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<td>USSS 219.273.3140/219.271.9301 P.O. Box 477 South Bend, IN 46625</td>
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<td>IOWA</td>
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<td>USSS 515.284.4565/515.284.4566 210 Walnut Street, Suite 637 Des Moines, IA 50309-2107</td>
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<td>KANSAS</td>
<td>Wichita</td>
<td>USSS 316.269.6694/316.269.6154 Epic Center 301 N. Main Street, Suite 275 Wichita, KS 67202</td>
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<td>KENTUCKY</td>
<td>Lexington</td>
<td>USSS 558.223.2358/595.223.1819 3141 Beaumont Centre Circle Lexington, KY 40513</td>
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<td>Louisville</td>
<td>FBI 502.583.3941/502.569.3869 Federal Building 600 Martin Luther King Jr. Place, Room 500 Louisville, KY 40202-2231</td>
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<td>USSS 812.985.9502/812.985.9504 P.O. Box 530 Newburgh, IN 47630</td>
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<tr>
<td>LOUISIANA</td>
<td>Baton Rouge</td>
<td>USSS 225.389.0763/225.389.0325 One American Place, Suite 1502 Baton Rouge, LA 70825</td>
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<td>Shreveport</td>
<td>USSS 318.676.3500/318.676.3502 401 Edwards Street Shreveport, LA 71101</td>
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<td>Portland</td>
<td>USSS 207.880.3493/207.880.3301 100 Middle Street West Tower, 2nd Floor Portland, ME 04101</td>
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Tim Proffitt
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# Creating and Managing an Incident Response Team for a Large Company

## New York

<table>
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<tr>
<th>Location</th>
<th>Contact Information</th>
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</table>
| Albany   | FBI 518.465.7351/518.431.7463  
200 McCarty Avenue  
Albany, NY 12209  
US9S 518.436.9600/518.436.9635  
38 North Pearl Street, 2nd Floor  
Albany, NY 12207 |
| Buffalo  | FBI 716.856.780/716.843.5288  
One FBI Plaza  
Buffalo, NY 14202-2698  
US9S 716.551.4401/716.551.5075  
610 Main Street, Suite 300  
Buffalo, NY 14202 |
| JFK      | US9S 718.553.0911/718.553.7626  
John F. Kennedy Int’l. Airport Building 75, Room 246  
Jamaica, NY 11430 |
| Melville | US9S 631.249.0404/631.249.0991  
35 Pinelawn Road  
Melville, NY 11747 |

## North Carolina

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<th>Location</th>
<th>Contact Information</th>
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| Charlotte | FBI 704.377.9200/704.331.4595  
Wachovia Building  
400 South Tyrone Street, Suite 900  
Charlotte, NC 28285-0001  
US9S 704.442.8370/704.442.8369  
One Fairview Center  
6302 Fairview Road  
Charlotte, NC 28210 |
| Greensboro | US9S 336.547.4185/336.547.4185  
4905 Koger Boulevard, Suite 220  
Greensboro, NC 27407 |
| Raleigh  | US9S 919.790.2834/919.790.2832  
4407 Bland Road, Suite 210  
Raleigh, NC 27609 |
| Wilmington | US9S 910.815.4511/910.815.4521  
One Rodney Square  
920 King Street, Suite 414  
Wilmington, DE 19801 |

## North Dakota

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<th>Location</th>
<th>Contact Information</th>
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| Fargo    | FBI 701.239.5070/701.239.5071  
657 2nd Avenue North, Suite 382A  
Fargo, ND 58102 |
| Omaha    | FBI 513.421.4310/513.562.5650  
John Weld Peck Federal Building  
550 Main Street, Room 9000  
Cincinnati, OH 45202-8501  
US9S 513.684.3585/513.684.3436  
John Weld Peck Federal Building  
550 Main Street  
Cincinnati, OH 45202 |
| Cleveland | FBI 216.522.1400/216.622.6717  
Federal Office Building  
1240 East 9th Street, Room 3055  
Cleveland, OH 44119-9912  
US9S 216.706.4365/216.706.4445  
610 Rockside Woods Boulevard  
Suite 440  
Cleveland, OH 44131-2334 |
| Columbus | US9S 614.469.7370/614.469.2049  
500 South Front Street, Suite 800  
Columbus, OH 43215 |
| Dayton   | US9S 937.225.2900/937.225.2724  
Federal Building  
200 West Second Street, Room 811  
Dayton, OH 45402 |
| Toledo   | US9S 419.259.6434/419.259.6437  
4 Seagate Center, Suite 702  
Toledo, OH 43604 |

## Oklahoma

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| Oklahoma City | FBI 405.290.7770/405.290.3885  
3301 West Memorial Drive  
Oklahoma City, OK 73134  
US9S 405.810.3000/405.810.3098  
Lakepoint Towers  
4013 NW Expressway, Suite 650  
Oklahoma City, OK 73116 |
| Tulsa    | US9S 918.581.7272  
 Pratt Tower  
125 West 15th Street, Suite 400  
Tulsa, OK 74119 |

## Oregon

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| Portland | FBI 503.224.4181/503.552.5400  
Crown Plaza Building  
1500 SW 1st Avenue, Suite 400  
Portland, OR 97201-5928  
US9S 503.326.2162/503.326.3258  
1001 SW 5th Avenue, Suite 1020  
Portland, OR 97204 |

## Pennsylvania

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| Philadelphia | FBI 215.418.4000/215.418.4232  
William J. Green Jr. Federal Office Building  
600 Arch Street, 8th Floor  
Philadelphia, PA 19106  
US9S 215.861.3300/215.861.3311  
7236 Federal Building  
600 Arch Street  
Philadelphia, PA 19106 |
| Pittsburgh | FBI 412.471.2000/412.432.4188  
U.S. Post Office Building  
700 Grant Street, Suite 300  
Pittsburgh, PA 15219-1906  
US9S 412.395.6484/412.395.6349  
1000 Liberty Avenue  
Pittsburgh, PA 15222 |
| Scranton   | US9S 570.346.5781/570.346.3003  
235 N. Washington Avenue, Suite 247  
Scranton, PA 18501 |

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RHODE ISLAND

Providence
USSS 401.331.6456/401.528.4394
The Federal Center
180 Westminster Street, Suite 343
Providence, RI 02903

SOUTH CAROLINA

Charleston
USSS 843.747.7242/843.747.7787
990 Core Avenue, Suite 500
North Charleston, SC 29406

Columbia
FBI 803.551.4200/803.551.4324
151 Westpark Boulevard
Columbia, SC 29210-3857
USSS 803.765.5446/803.765.5445
1835 Assembly Street, Suite 1425
Columbia, SC 29201

Greenville
USSS 864.233.1490/864.235.6237
NCNB Plaza
7 Laurens Street, Suite 508
Greenville, SC 29601

SOUTH DAKOTA

Sioux Falls
USSS 605.330.4565/605.330.4523
230 South Phillips Avenue, Suite 405
Sioux Falls, SD 57104

TENNESSEE

Chattanooga
USSS 423.752.5125/423.752.5130
Post Office Building
900 Georgia Avenue, Room 204
Chattanooga, TN 37402

Knoxville
FBI 865.564.0751/865.544.3590
John J. Duncan Federal Office Building
710 Locust Street, Suite 600
Knoxville, TN 37902-2537
USSS 865.545.4627/865.545.4633
John J. Duncan Federal Office Building
710 Locust Street, Room 517
Knoxville, TN 37902

Memphis
FBI 901.747.4300/901.747.9621
Eagle Crest Building
225 North Humphreys Boulevard, Suite 300
Memphis, TN 38120-2107
USSS 901.544.0333/901.544.0342
5350 Poplar Avenue, Suite 802
Memphis, TN 38119

Nashville
USSS 615.736.5841/615.736.5848
658 U.S. Courthouse
801 Broadway Street
Nashville, TN 37203

TEXAS

Austin
USSS 512.916.5103/512.916.5365
Federal Office Building
300 E. 8th Street
Austin, TX 78701

Dallas
FBI 214.720.2200/214.922.7459
1801 North Lamar, Suite 300
Dallas, TX 75202-1795
USSS 972.868.3200/972.868.3232
125 East John W. Carpenter Freeway, Suite 300
Irving, TX 75062

El Paso
FBI 915.932.5000/915.832.5259
660 S. Mesa Hills Drive
El Paso, TX 79912
USSS 915.533.9500/915.533.8666
Mesa One Plaza
4849 North Mesa, Suite 210
El Paso, TX 79912

Houston
FBI 713.693.5000/713.693.3999
2500 East TC Jester
Houston, TX 77008-1300
USSS 713.868.2299/713.868.5093
602 Sawyer Street, Suite 500
Houston, TX 77007

Lubbock
USSS 806.472.7347/806.472.7542
1205 Texas Avenue, Room 117
Lubbock, TX 79401

McAllen
USSS 956.630.5811/956.630.5838
200 S. 10th Street, Suite 1107
McAllen, TX 78501

San Antonio
FBI 210.225.6741/210.978.5380
U.S. Post Office Building
615 East Houston Street, Suite 200
San Antonio, TX 78205-9998
USSS 210.472.6175/210.472.6185
727 East Durango Boulevard,
Suite B410
San Antonio, TX 78206-1265

Tyler
USSS 903.534.2933 903.581.9569
6101 South Broadway, Suite 305
Tyler, TX 75703

UTAH

Salt Lake City
FBI 801.579.1400/801.579.4500
257 Towers Building
257 East 200 South, Suite 1200
Salt Lake City, UT 84111-2068
USSS 801.524.5910/801.524.6216
57 West 200 South Street, Suite 450
Salt Lake City, UT 84101

VERMONT

FBI 518.465.7551/518.431.7463
Contact field office located in
Albany, NY
USSS 617.565.5640/617.565.5659
Contact field office located in
Boston, MA

VIRGINIA

Norfolk
FBI 757.455.0100/757.455.2647
150 Corporate Boulevard
Norfolk, VA 23522-4999
USSS 757.441.3200/757.441.3811
Federal Building
200 Granby Street, Suite 640
Norfolk, VA 23519

Richmond
FBI 804.261.1044/804.627.4494
1970 East Parham Road
Richmond, VA 23228
USSS 804.771.2274/804.771.2076
600 East Main Street, Suite 1910
Richmond, VA 23219

Roanoke
USSS 540.345.4301/540.857.2151
105 Franklin Road SW, Suite 2
Roanoke, VA 24011

WASHINGTON

Seattle
FBI 206.622.0460/206.262.2587
1110 Third Avenue
Seattle, WA 98101
USSS 206.220.6800/206.220.6479
890 Federal Building
915 Second Avenue
Seattle, WA 98174

SPOKANE
USSS 509.353.2532/509.353.2871
601 W Riverside Avenue, Suite 1300
SPOKANE, WA 99201

WEST VIRGINIA

Charleston
USSS 304.347.5188/304.347.5187
5900 Core Avenue, Suite 500
North Charleston, SC 29406

WISCONSIN

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USSS 608.264.5191/608.264.5592
131 Will Wilson Street, Suite 303
Madison, WI 53703

MILWAUKEE
FBI 414.276.4684/414.276.6560
330 East Kilbourn Avenue
Milwaukee, WI 53202
USSS 414.297.3587/414.297.3594
5422 Milwaukee Avenue
Milwaukee, WI 53202

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Cheyenne
USSS 307.772.2380/307.772.2387
2120 Capitol Avenue, Suite 3026
Cheyenne, WY 82001

Tim Proffitt
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