

COMPUTER SECURITY
STRATEGY

SUMMARY

Matched Branch:	0
Partially Matched Branch:	16
Mismatched Branch:	0
Extra Branch:	0
Total Match:	15.69 %
Concept Match:	25.0 %
Link. Phr. Match:	0.0 %
Misconception:	93.33 %
Hierarchy Match:	27.64 %

Grade: 16.78%

aspects of
security strategy

Implementation
and Mechanisms

Correctness
and Assurance

Specification
and Policy

illustrated
by

portrayed
by

characterized
by

composed of

represented
by

elaborated
by

Method used
by the security
scheme

Security Implementation

Viability
of security
scheme

Assurance

Evaluation

Purpose of the
security
scheme

Security Policy

involves these
four complementary
courses of
action

encompasses

defined by

involves

described
by

depicted by

Prevention

Response

Detection

Recovery

Both the system
design and
system implementation

Degree of confidence
one has that
the security
measures work
as intended
to protect
the system
and the information
it processes

Testing and
formal analytic
or mathematical
techniques

Process of examining
a computer
system with
respect to
certain criteria

Formal statement
of rules and
practices
that specify
or regulate
how a system
or organization
provides security
services to
protect sensitive
and critical
system resources

for example

with the purpose
of

for instance

for instance

Secure Encryption
Algorithms

Upon detection,
being able
to halt an
attack and
prevent further
damage

Intrusion
Detection
Systems (IDS)

Use of backup
systems

with the result
of

with the purpose
of

Prevent unauthorized
access to
encryption
keys

Detection
of denial
of service
(DoS) attacks

considering
these trade-offs

deliberating
these factors

Ease or use
versus security

Cost of security
versus cost
of failure
and recovery

Potential
threats and
the likelihood
of attacks

Value of the
assets being
protected

Vulnerabilities
of the system