

index.html CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>IT Networking Basics</title>
  <!--Css as the photos are wayyyyyy too big-->
  <style>
    img {
      width: 200px;
      height: auto;
    }
  </style>
</head>
<body>
  <h1>IT Networking</h1>
  <h2>Unlock The Secrets of IT and Propel Your Career</h2>
  <nav>
    <ul>
      <li></li>
      <li><a href="index.html">Home</a></li>
      <li><a href="Basics.html">Basics</a></li>
      <li><a href="Certification.html">Certification</a></li>
      <li><a href="Study.html">Study Tools</a></li>
      <li><a href="Contact.html">Contact</a></li>
    </ul>
  </nav>
  <div>
    <p>Want To Keep Up With Current Technologies? Subscribe To Keep Updated  
With Our Weekly Newsletter.</p>
    <button type="Button">Subscribe</button>
  </div>
  <main>
    <section>
      <h2>About Us</h2>
      <p> Welcome to Connectech's Networking Basics!
        Whether you are a beginner looking to learn fundamentals or
        someone wanting to brush up on the material,
        you came to the right place.<br>
        This website is dedicated to providing resources and an
        introduction to the world of networking,
        as well as how to obtain
        an accredited certification to start your career!</p>
    </section>
```

```
<section>
  <h2>Basics</h2>
  <div>
    <h5> The Essentials of Networking</h5>
    
    <ul>
      <li>OSI Model</li>
      <li>Networking Devices</li>
      <li>Networking Types</li>
    </ul>
  </div>
</section>
<section>
  <h2>Certification</h2>
  <div>
    <h5>CompTIA Networking + Cert</h5>
    
    <ul>
      <li>About</li>
      <li>Exam Objectives</li>
    </ul>
  </div>
</section>
<section>
  <h2>Study Tools</h2>
  <div>
    <h5>Tools To Ensure Success</h5>
    
  </div>
</section>
<section>
  <h2>Contact</h2>
  <div>
    <h5>Get Connected With Our Community</h5>
    
  </div>
</section>
</main>
<footer>
  <div>
    
  </div>
  <div>
    
  </div>
</div>
```

```
<div>
  
</div>
<p><span>&copy;</span> 2024 Connectech inc.</p>
</footer>
</body>
</html>
```

index.html VALIDATOR

Showing results for index.html

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

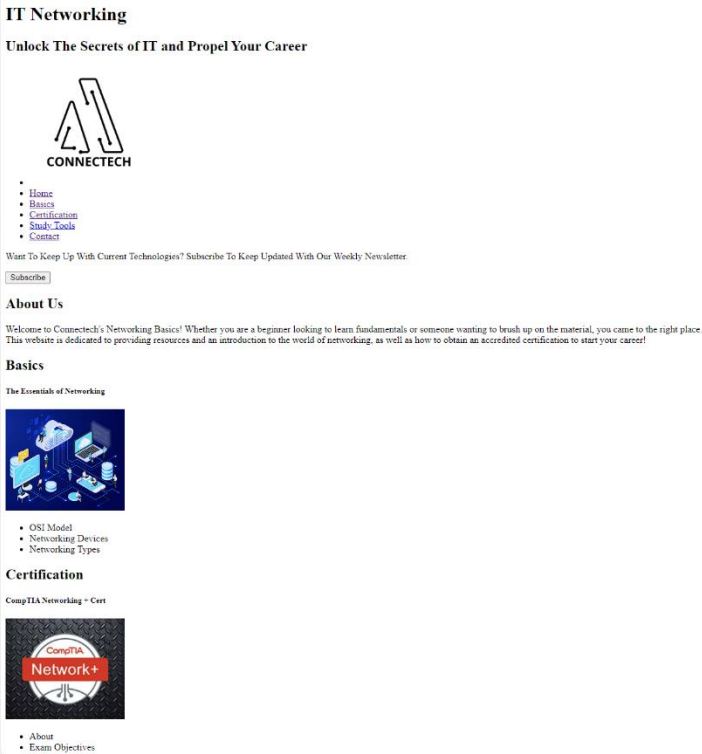
Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 7 milliseconds.

Index.HTML PAGE VIEW

Screenshot 1



Screenshot 2



Basics.HTML CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- More Meta Tags For SEO-->
  <title>IT Basic Curriculum</title>
  <style>
    img {
      width: 200px;
      height: auto;
    }
  </style>
</head>
<body>
<nav>
  <ul>
    <li></li>
    <li><a href="index.html">Home</a></li>
    <li><a href="Basics.html">Basics</a></li>
    <li><a href="Certification.html">Certification</a></li>
    <li><a href="Study.html">Study Tools</a></li>
    <li><a href="Contact.html">Contact</a></li>
  </ul>
</nav>
<h1>IT Networking Basics</h1>


<main>
<section>
  
  <h1>OSI Model</h1>
  <p>The OSI (Open Systems Interconnection) model is the foundation for data communication across networks.

  Consisting of seven layers, the model breaks down the complex process needed to exchange information across multiple systems.

  Each layer of the OSI model serves a specific function in the communication process.

  By giving each process a specific layer, we now have a standard framework to establish connections between systems.

  Understanding this model is essential for network administrators and engineers for design, implementation, and troubleshooting.</p>
</section>
```

```
<h2>Physical</h2>
<p>This Layer is the physical sending of data over the network.
    This includes cables, plugs, and connectors.
    This layer also determines the ones and zeros in a computer depending
on whether there is or isn't an electrical signal.</p>
<h2>Data Link</h2>
<p>This is where communication between devices is created and maintained.
    Through addressing and synchronization, devices can connect to one
another while ensuring data integrity.</p>
<h2>Network</h2>
<p>The network layer can be considered the organization system for which
data is sent.
    By breaking up segments of data called network packets, and then
reassembling them once the data is received by the other system,
    devices are now able to breakdown and rebuild network packets.</p>
<h2>Transport</h2>
<p>The transport layer is responsible for sending data from one device to
another.
    It is also responsible for sending that data at a rate of speed that
the device receiving the data can accurately handle.</p>
<h2>Session</h2>
<p>The session Layer creates communication using something called
sessions between devices. It is also responsible for maintaining and closing this
session, this allows the devices to begin transferring data to one another. This
layer can also set points where transfers can be recovered if the transfer were
to fail.</p>
<h2>Presentation</h2>
<p>This layer is responsible for taking data from the application layer,
and presenting it to use for the session later. If this layer did not exist, the
application layer would not be able to communicate with the session layer.</p>
<h2>Application</h2>
<p>This is the layer that works directly with user applications, by
providing protocols, it allows the software to exchange information that users
can then analyze.</p>
</section>
</section>

<section>
    <p>Want To Keep Up With Current Technologies? Subscribe To Keep Updated With
Our Weekly Newsletter.</p>
    <a href="Contact.html" target="_blank">
        <button type="button">Subscribe</button>
    </a>
</section>
```

```
<section>
  
  <h1>Networking Devices</h1>
  <p>These devices are hardware that allows us to facilitate connections and exchanges of data in a network.
    Without these devices, it would be nearly impossible to do any type of data exchange over the network.
    They serve as the backbone of networking infrastructure to allow devices to communicate with each other.</p>
  <section>
    <h2>Router</h2>
    <p>The router is the central device for the network.
      This device directs traffic between networks,
      while also figuring out which path is best to make sure packets make it to their destination.
      It is important to note that routers can establish a local connection or connections across multiple locations.</p>
    <h2>Modem</h2>
    <p>Also known as a Modulator and Demodulator,
      the modem connects your home to the internet through a physical cable.
      The modem also takes data from your internet provider and then changes it to allow your devices to connect to it.</p>
    <h2>Switch</h2>
    <p>A switch is a device that takes traffic input,
      and then redirects traffic to your local devices. Overall, it allows devices like computers,
      printers, and servers to connect within a local area network (LAN).</p>
    <h2>Access Point</h2>
    <p>This is the hardware that allows you to connect your devices over WiFi.
      By connection to a router, switch, or hub, the access point can project a WiFi signal that is then detected by your devices.
      This is a create solution if you can't physically connect your device to a router.</p>
  </section>
</section>

<section>
  
  <h2>Types of Networks</h2>
  <p>Depending on your needs, you can choose different types of networks that are differentiated by their sizes, overall scope, and connectivity. Whether is a
```

small office or across multiple branches of a company, choosing the right network size is important to meet the needs of the user.</p>

<section>

<h2>Local Area Network (LAN)</h2>

<p>This is the smallest network. It consists of devices that are connected locally such as an office or home.</p>

<h2>Wide Local Area Network (WLAN)</h2>

<p>Another form of local area network that is connected together wirelessly instead of physically.</p>

<h2>Wide Area Network (WAN)</h2>

<p>Wide Area Network is a cluster of local area networks that communicate. You are using a WAN right now to read this as the internet is a WAN!</p>

<h2>Metropolitan Area Network (MAN)</h2>

<p>Bigger than a singular LAN but geographically located like a city or multiple towns. While this network is large, it is smaller than a WAN.</p>

<h2>Campus Area Network (CAN)</h2>

<p>Bigger than a LAN but smaller than a MAN. This network connects multiple devices together within a large property.</p>

</section>

</section>

</main>

<footer>

<div>

</div>

<div>

</div>

<div>

</div>

<p>© 2024 Connectech inc.</p>

</footer>

</body>

</html>

Basics.HTML Validation

Showing results for Basics.html

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by

file upload

Choose File

 No file chosen

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Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

- Error** The element `button` must not appear as a descendant of the `a` element.
From line 65, column 9; to line 65, column 30

```
>=<button type="button">Subscr
```
- Warning** Section lacks heading. Consider using `h2`–`h6` elements to [add identifying headings to all sections](#), or else use a `div` element instead for any cases where no heading is needed.
From line 62, column 1; to line 62, column 9
section>=<section>=<

Basics.HTML Page View



IT Networking Basics



OSI Model

The OSI (Open System Interconnection) model is the foundation for data communication across networks. Consisting of seven layers, the model breaks down the complex process needed to exchange information across multiple systems. Each layer of the OSI model serves a specific function in the communication process. By giving each process a specific layer, we now have a standard framework to establish connections between systems. Understanding this model is essential for network administrators and engineers for design, implementation, and troubleshooting.

Physical

This Layer is the physical sending of data over the network. This includes cables, plugs, and connectors. This layer also determines the ones and zeros in a computer depending on whether there is or isn't an electrical signal.

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Bigger than a singular LAN but geographically located like a city or multiple towns. While this network is large, it is smaller than a WAN.

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Bigger than a LAN but smaller than a MAN. This network connects multiple devices together within a large property.



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Certification.HTML Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- More Meta Tags For SEO-->
  <title>IT Networking + CompTIA Cert</title>
  <style>
    img {
      width: 200px;
      height: auto;
    }
  </style>
</head>

<body>
<nav>
  <ul>
    <li></li>
    <li><a href="index.html">Home</a></li>
    <li><a href="Basics.html">Basics</a></li>
    <li><a href="Certification.html">Certification</a></li>
    <li><a href="Study.html">Study Tools</a></li>
```

```
<li><a href="Contact.html">Contact</a></li>
</ul>
</nav>
<h1>Network + Certification</h1>


<main>

<section>
  
  <h2>About Networking +</h2>
  <p>The Network Plus Certification is the recommended go-to if you wish to
become certified in networking. This certification is globally recognized and
proves you have the skills to manage, design, and troubleshoot physical and
wireless networks of networking</p>
</section>

<section>
  <p>Want To Keep Up With Current Technologies? Subscribe To Keep Updated With
Our Weekly Newsletter.</p>
  <a href="Contact.html" target="_blank">
    <button type="Button">Subscribe</button>
  </a>
</section>

<section>
  <h2>Exam Objectives</h2>
  <p>These objectives are the roadmap for any person wishing to obtain the
Networking + certification. If able to understand and master these objectives,
candidates will be able to easily demonstrate their proficiency in
networking.</p>
  
  <section>
    <h3>Network Fundamentals</h3>
    <ul>
      <li>Have knowledge and understanding of the OSI model layer and their
affiliated concepts.</li>
      <li>Understand Network types and their typologies</li>
      <li>Know the types of networking cables and have knowledge of which
is best for a particular solution.</li>
      <li>Have a solid understanding of common ports, protocols, and their
alternatives</li>
      <li>Understand networks servicing and why they are used.</li>
    </ul>
  </section>
</section>
```

```
<h3>Network Implementation</h3>
<ul>
  <li>Understand similarities and differences between devices and their
use cases.</li>
  <li>Know of routing technologies and bandwidth management.</li>
  <li>Deploy certain switching features given a scenario.</li>
  <li>Use the correct wireless technologies given a scenario.</li>
</ul>

<h3>Network Operations</h3>
<ul>
  <li>Use statistics and sensors to keep network availability given a
scenario.</li>
  <li>Understand the purpose of organizational policies and
documents.</li>
  <li>Know disaster recovery concepts and know which solution is best
given a scenario.</li>
</ul>

<h3>Network Security</h3>
<ul>
  <li>Understand Common Security Concepts</li>
  <li>Understand similarities and differences between different types
of attacks.</li>
</ul>
</section>
</section>

<section>
  <p>To Look At The Official CompTia Site To Learn More Click <a
href="https://www.comptia.org/certifications/network">Here</a></p>
</section>

</main>

<footer>
  <div>
    
  </div>

  <div>
    
  </div>

  <div>
```

```

</div>
<p><span>&copy;</span> 2024 Connectech inc.</p>
</footer>
</body>
</html>
```

Certification.HTML Validation

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Checker Input

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Check by [file upload](#) No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

- Error** The element `button` must not appear as a descendant of the `a` element.
From line 41, column 9; to line 41, column 30
`<button type="Button">Subscr`
- Warning** Section lacks heading. Consider using `h2`-`h6` elements to [add identifying headings to all sections](#), or else use a `div` element instead for any cases where no heading is needed.
From line 38, column 1; to line 38, column 9
`section><section>`
- Warning** Section lacks heading. Consider using `h2`-`h6` elements to [add identifying headings to all sections](#), or else use a `div` element instead for any cases where no heading is needed.
From line 82, column 1; to line 82, column 9
`section><section>`

Document checking completed.

Certification.HTML Page View



- [Home](#)
- [Basics](#)
- [Certification](#)
- [Study Tools](#)
- [Contact](#)

Network + Certification



About Networking +

The Network Plus Certification is the recommended go-to if you wish to become certified in networking. This certification is globally recognized and proves you have the skills to manage, design, and troubleshoot physical and wireless networks of networking. Want To Keep Up With Current Technologies? Subscribe To Keep Updated With Our Weekly Newsletter.

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Exam Objectives

These objectives are the roadmap for any person wishing to obtain the Networking + certification. If able to understand and master these objectives, candidates will be able to easily demonstrate their proficiency in networking.



Network Fundamentals

- Have knowledge and understanding of the OSI model layer and their affiliated concepts.
- Understand Network types and their typologies
- Know the types of networking cables and have knowledge of which is best for a particular solution.
- Have a solid understanding of common ports, protocols, and their alternatives

Network Implementation

- Understand similarities and differences between devices and their use cases.
- Know of routing technologies and bandwidth management.
- Deploy certain switching features given a scenario.
- Use the correct wireless technologies given a scenario.

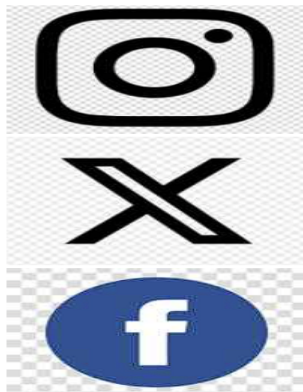
Network Operations

- Use statistics and sensors to keep network availability given a scenario.
- Understand the purpose of organizational policies and documents.
- Know disaster recovery concepts and know which solution is best given a scenario.

Network Security

- Understand Common Security Concepts
- Understand similarities and differences between different types of attacks.

To Look At The Official CompTia Site To Learn More Click [Here](#)



Study.HTML Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- More Meta Tags For SEO-->
  <title>Study Page</title>
  <style>
    img {
      width: 200px;
      height: auto;
    }
  </style>
</head>

<body>
<nav>
  <ul>
    <li></li>
    <li><a href="index.html">Home</a></li>
    <li><a href="Basics.html">Basics</a></li>
    <li><a href="Certification.html">Certification</a></li>
    <li><a href="Study.html">Study Tools</a></li>
    <li><a href="Contact.html">Contact</a></li> <!-- Fixed the href -->
  </ul>
</nav>

<h1>Study Materials</h1>


<main>
<section>
  
  <h2>Professor Messer (Free)</h2>
  <p>Professor Messer, also known as James Messer, is renowned for his free
online video courses.
  His most notable works being for CompTIA certifications like Network+.
  Messer's clear teaching style and comprehensive coverage make complex
networking concepts more accessible to learners.
  Through his videos, study guides, and practice questions,
  he has helped countless individuals prepare for and pass their Network+
certification exams.</p>
```

```
<p>Click <a href="https://www.youtube.com/@professormesser">here</a> to view  
Messer's free youtube videos and <a  
href="https://www.professormesser.com/">here</a> to visit his website.</p>  
</section>  
<section>  
    
  <h2>Cisco (Free)</h2>  
  <p>The Cisco Networking Academy is a global IT and cybersecurity education  
program offered by Cisco Systems.  
    It provides online courses, interactive tools,  
    and hands-on learning experiences to help individuals develop the skills  
needed for careers in networking,  
    cybersecurity, and other IT-related fields. The program covers a wide  
range of topics,  
    from basic networking fundamentals to advanced cybersecurity techniques.  
    Through partnerships with educational institutions and organizations  
worldwide,  
    the Cisco Networking Academy aims to empower individuals with the  
knowledge and skills required to thrive in today's digital economy.</p>  
  <p>Click <a href="https://www.netacad.com/">here to view Cisco Networking  
Academy.</a></p>  
</section>  
<section>  
    
  <h2>Udemy (Paid)</h2>  
  <p>Udemy offers a variety of courses to help individuals prepare for the  
CompTIA Network+ certification exam.  
    These courses cover essential networking concepts, including network  
protocols, hardware, security, and troubleshooting.  
    Taught by expert instructors, Udemy's Network+ certification courses  
provide comprehensive content and practical exercises to help learners master the  
material and succeed on the exam.  
    With flexible learning options and affordable pricing, Udemy makes it  
convenient for aspiring networking professionals to access high-quality training  
resources from anywhere in the world.</p>  
  <p>Click <a href="https://www.udemy.com/?utm_source=adwords-  
brand&utm_medium=udemyads&utm_campaign=Brand-  
Udemy_la.EN_cc.US_dev&utm_term=._ag_137319648178_.ad_634190764968_.de_c_.dm_  
._pl_.ti_kwd-  
296956216253_.li_9010436_.pd_.&utm_term=._pd_.kw_udemy_.&matchtype=b&gad_  
source=1&gclid=CjwKCAiAibeuBhAAEiwAiXBoJN87vFjyrXvJsZ-  
BqtIssdZ_RFYAvM0EUwiqnIvy29QM3AqLtn8LJxoCMacQAvD_BwE">here</a> to view Udemy  
Courses.</p>  
</section>
```

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```
</main>

<footer>
  <div>
    
  </div>

  <div>
    
  </div>

  <div>
    
  </div>
  <p><span>&copy;</span> 2024 Connectech inc.</p>
</footer>
</body>
</html>
```

Study.HTML Validation

Showing results for Study.html

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by No file chosen

Uploaded files with .html or .xhtml extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

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12/18/24

Study.HTML Page View



Contact.HTML Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- More Meta Tags For SEO-->
  <title>Contact</title>
  <style>
    img {
      width: 200px;
      height: auto;
    }
  </style>
</head>

<body>
<nav>
  <ul>
    <li></li>
    <li><a href="index.html">Home</a></li>
    <li><a href="Basics.html">Basics</a></li>
    <li><a href="Certification.html">Certification</a></li>
    <li><a href="Study.html">Study Tools</a></li>
```

```
<li><a href="Contact.html">Contact</a></li>
</ul>
</nav>
<h1>Contact Us!</h1>


<main>
<section>
  <h2>Contact Us!</h2>
  <p>Enter Your Name and Email Address and We Will Connect You With the Right
Person!</p>
  <form action="/submit-form" method="post">
    <label for="first-name">First Name</label><br>
    <input type="text" id="first-name" name="first-name" required><br>
    <label for="last-name">Last Name</label><br>
    <input type="text" id="last-name" name="last-name" required><br>
    <label for="contact-email">Email</label><br>
    <input type="email" id="contact-email" name="contact-email"
required><br><br>
    <label for="message">Tell Us What You Want To Talk About!</label><br>
    <textarea id="message" name="message" rows="4" cols="50"
required></textarea><br><br>
    <input type="submit" value="Submit">
  </form>
</section>
<section>
  <h2>Newsletter!</h2>
  <p>Want to keep up with the latest tech trends and technologies? Subscribe
for weekly updates!
  The email subscription can be canceled at any time.</p>
  <form action="/subscribe" method="post">
    <label for="newsletter-email">Email Address</label><br>
    <input type="email" id="newsletter-email" name="newsletter-email"
required><br><br>
    <input type="submit" value="Subscribe">
  </form>
</section>

</main>

<footer>
  <div>
    
  </div>
```

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```
<div>
  
</div>

<div>
  
</div>
<p><span>&copy;</span> 2024 Connectech inc.</p>
</footer>
</body>
</html>
```

Contact.HTML Validation

Showing results for Contact.html

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...](#)

Check by [file upload](#) [Choose File](#) No file chosen


Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check](#)

Document checking completed. No errors or warnings to show.


Note: Apologies for the CSS, the images were just legitimately too large, and almost doubled the amount of screenshots needed.

Contact.HTML Page View



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